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145213

ME

From: Whiteman, Brian
Sent: Tuesday, February 15, 2005 10:33 AM
To: STIC-Biotech/ChemLib
Subject: seq search

09/729,264 EFD 11/28/00
Welcher et al.

Please search seq id nos: 1, 3, and 5 against us patent and us patent application databases.

Please search seq id nos: 2, 4, and 6 against us patent and us patent application databases.

Thank you

Brian Whiteman
Remsen, 2D14
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United States Patent and Trademark Office
(571) 272-0764

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Searcher: _____
Searcher Phone: 2-_____
Date Searcher Picked up: _____
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Type of Search

NA Sequence: # _____
AA Sequence: # _____
Structure: # _____
Bibliographic: _____
Litigation: _____
Patent Family: _____
Other: _____

Vendors and cost where applicable

STN: _____
DIALOG: _____
QUESTEL/ORBIT: _____
LEXIS/NEXIS: _____
SEQUENCE SYSTEM: _____
WWW/Internet: _____
Other(Specify): _____

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GenCore version 5.1.6
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OM nucleic - nucleic search, using sw model

Run on: February 25, 2005, 00:36:18 ; Search time 825.091 Seconds
(without alignments)
8438.363 Million cell updates/sec

Title: US-09-729-264-1

Perfect score: 1175

Sequence: 1 cgtctgccatcctgataa.....gtaatacaactgtagtag 1175

Scoring table: IDENTITY NUC

Gapop 10.0 , Gapext 1.0

Searched: 5394803 seqs, 2962729879 residues

Total number of hits satisfying chosen parameters: 10789606

Minimum DB seq length: 0

Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Published Applications NA.*

- 1: /cgn2_6/ptodata/1/pubpna/US07_PUBCOMB.seq.*
- 2: /cgn2_6/ptodata/1/pubpna/ECT_NEW_PUB.seq.*
- 3: /cgn2_6/ptodata/1/pubpna/US06_NEW_PUB.seq.*
- 4: /cgn2_6/ptodata/1/pubpna/US07_PUBCOMB.seq.*
- 5: /cgn2_6/ptodata/1/pubpna/US07_NEW_PUB.seq.*
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- 11: /cgn2_6/ptodata/1/pubpna/US09C_PUBCOMB.seq.*
- 12: /cgn2_6/ptodata/1/pubpna/US09C_NEW_PUB.seq.*
- 13: /cgn2_6/ptodata/1/pubpna/US10_PUBCOMB.seq.*
- 14: /cgn2_6/ptodata/1/pubpna/US10B_PUBCOMB.seq.*
- 15: /cgn2_6/ptodata/1/pubpna/US10C_PUBCOMB.seq.*
- 16: /cgn2_6/ptodata/1/pubpna/US10D_PUBCOMB.seq.*
- 17: /cgn2_6/ptodata/1/pubpna/US10E_PUBCOMB.seq.*
- 18: /cgn2_6/ptodata/1/pubpna/US10F_PUBCOMB.seq.*
- 19: /cgn2_6/ptodata/1/pubpna/US10_NEW_PUB.seq.*
- 20: /cgn2_6/ptodata/1/pubpna/US11_NEW_PUB.seq.*
- 21: /cgn2_6/ptodata/1/pubpna/US60_NEW_PUB.seq.*
- 22: /cgn2_6/ptodata/1/pubpna/US60_PUBCOMB.seq.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	1125.4	95.8	2051	17	US-10-104-047-1104
2	269	22.9	474	10	US-09-918-995-3342
3	190.4	16.2	401	9	US-09-864-761-16305
4	142	12.1	398	9	US-09-983-965-4945
5	50.6	4.3	775	17	US-10-424-599-16675
6	47.8	4.1	381	18	US-10-357-930-54485
7	47.6	4.1	273	18	US-10-384-107-1
8	46	3.9	2706	17	US-10-620-514-4
9	46	3.9	3577	13	US-10-008-739A-1
10	46	3.9	11004	17	US-10-620-514-1
11	45.4	3.9	542	18	US-10-425-115-122846

C	12	45	3.8	1097	17	US-10-424-599-10899	Sequence 10899, A
C	13	45	3.8	1511	18	US-10-437-963-61590	Sequence 61590, A
C	14	44.8	3.8	616	17	US-10-242-535A-1932	Sequence 1932, Ap
C	15	44.8	3.8	616	17	US-10-085-783A-1932	Sequence 1932, Ap
C	16	44.8	3.8	1310	9	US-09-849-243-13	Sequence 13, Ap1
C	17	44.8	3.8	1876	17	US-10-388-360-336	Sequence 336, App
C	18	44.8	3.8	2614	10	US-09-822-846-491	Sequence 491, App
C	19	44.8	3.8	3263	9	US-09-849-243-15	Sequence 15, App1
C	20	44.8	3.8	4286	9	US-09-849-243-14	Sequence 14, App1
C	21	44.8	3.8	5085	14	US-10-198-846-9854	Sequence 9854, Ap
C	22	44.8	3.8	5419	18	US-10-479-546-3	Sequence 3, App1
C	23	44.8	3.8	6604	9	US-09-880-107-1748	Sequence 1748, Ap
C	24	44.6	3.8	1423	18	US-10-489-372-44	Sequence 44, App1
C	25	44.4	3.8	199	18	US-10-674-124A-7619	Sequence 7619, Ap
C	26	44.4	3.8	376	18	US-10-674-124A-23575	Sequence 23575, A
C	27	44.4	3.8	513	18	US-10-357-930-47995	Sequence 47995, A
C	28	44.2	3.8	405	18	US-10-357-930-56357	Sequence 56357, A
C	29	44.2	3.8	1133	18	US-10-425-115-59679	Sequence 59679, A
C	30	44.2	3.8	1369	18	US-10-425-115-76568	Sequence 76568, A
C	31	44.2	3.8	2568	18	US-10-425-115-85301	Sequence 85301, A
C	32	44.2	3.8	2790	16	US-10-029-386-22626	Sequence 22626, A
C	33	44.2	3.8	7568	17	US-10-133-937-60	Sequence 60, App1
C	34	44.2	3.8	7568	17	US-10-159-563-60	Sequence 60, App1
C	35	44.2	3.8	7568	18	US-09-814-353-4844	Sequence 4844, Ap
C	36	44	3.7	299	10	US-09-814-353-11141	Sequence 11141, A
C	37	44	3.7	299	10	US-09-814-353-11141	Sequence 11141, A
C	38	44	3.7	385	10	US-09-814-353-5368	Sequence 5368, Ap
C	39	44	3.7	385	10	US-09-814-353-11655	Sequence 11655, A
C	40	44	3.7	455	9	US-09-728-444-151	Sequence 151, App
C	41	44	3.7	643	18	US-10-425-115-62705	Sequence 62705, A
C	42	43.8	3.7	1810	17	US-10-425-114-11473	Sequence 11473, A
C	43	43.8	3.7	1825	17	US-10-424-559-91736	Sequence 91736, A
C	44	43.8	3.7	88232	13	US-10-087-152-1699	Sequence 1699, Ap
C	45	43.6	3.7	405	18	US-10-425-115-9135	Sequence 9135, Ap

ALIGNMENTS

RESULT 1							
US-10-104-047-1104							
; Sequence 1104, Application US/10104047							
; Publication No. US20030236392A1							
; GENERAL INFORMATION:							
; APPLICANT: HELIX RESEARCH INSTITUTE							
; TITLE OF INVENTION: No. US20030236392A1 full length cDNA							
; FILE REFERENCE: H1-A0105							
; CURRENT APPLICATION NUMBER: US/10/104, 047							
; CURRENT FILING DATE: 2002-03-25							
; PRIOR APPLICATION NUMBER:							
; PRIOR FILING DATE:							
; NUMBER OF SEQ ID NOS: 4096							
; SOFTWARE: PatentIn Ver. 2.1							
; SEQ ID NO 1104							
; LENGTH: 2051							
; TYPE: DNA							
; ORGANISM: Homo sapiens							
US-10-104-047-1104							
Query Match							
Best Local Similarity 95.8%; Score 1125.4; DB 17; Length 2051;							
Matches 1126; Conservative 0; Mismatches 1; Indels 0; Gaps 0;							
QY	49	ACGGTTCTGGGCTGTAATGAAGTCAATGAAGCCGCCCAAGATGCAAGCTCTGAAGG	108				
DB	201	ACGGTTCTGGGCTGTAATGAAGTCAATGAAGCCGCCCAAGATGCAAGCTCTGAAGG	260				
QY	109	GCTCCAGGCTGCTTCACTGACCGCTTCCAGGCTGGAAGTCAATCATAGTGGGCTC	168				
DB	261	GCTCCAGGCTGCTTCACTGACCGCTTCCAGGCTGGAAGTCAATCATAGTGGGCTC	320				
QY	169	TCAGTACATGTTGGTGAAGCTGACGATGAGCCATGAGCCATCATGACCAATGACCGCT	228				

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Db 321 TCAGTGCATGATGATGCTGAAGCCGTACAGGCCCATGAGCCCATCATCAACCAATGACCGCT 380
QY 229 TCACCTCTCAGAGGATGACACACGAGGCGGAACTTCACTCGGAGATGATCATCCAAATG 288
Db 381 TCACCTCTCAGAGGATGACACACGAGGCGGAACTTCACTCGGAGATGATCATCCAAATG 440
QY 289 TGAAGCCCAAGTATTCGGGGAAACATCAGATGACAGCTTCAGAAACAGTCCGCTGATGAT 348
Db 441 TGAAGCCCAAGTATTCGGGGAAACATCAGATGACAGCTTCAGAAACAGTCCGCTGATGAT 500
QY 349 CTGCTTACCTTACCGTCCAGTTATGAGAGAGCTGTTCACTTCCAGTTATCTGTAG 408
Db 501 CTGCTTACCTTACCGTCCAGTTATGAGAGAGCTGTTCACTTCCAGTTATCTGTAG 560
QY 409 TCGTGAAGATGAACTCTTGAAATCTTGTCTACCTTCACTGACCTGACCCGAGCTCCCG 468
Db 561 TCGTGAAGATGAACTCTTGAAATCTTGTCTACCTTCACTGACCTGACCCGAGCTCCCG 620
QY 469 ATATTTCTGGAGCTCGGTCTCTGCTCAGCCATTCAGCTATTTATTTGTTCCGGAGC 528
Db 621 ATATTTCTGGAGCTCGGTCTCTGCTCAGCCATTCAGCTATTTATTTGTTCCGGAGC 680
QY 529 CCAGCCACTTTCAAAGTGCAGTGAAGCATCTGCTCTGACCCGACAGAGCAATGAGACTT 588
Db 681 CCAGCCACTTTCAAAGTGCAGTGAAGCATCTGCTCTGACCCGACAGAGCAATGAGACTT 740
QY 589 TGACTTGCCTGCTACCTGGAAGAGCTGAAAGGCCGCAAGTGTGCAACTGTAAATCTCA 648
Db 741 TGACTTGCCTGCTACCTGGAAGAGCTGAAAGGCCGCAAGTGTGCAACTGTAAATCTCA 800
QY 649 CTGTGATTCGCTGCTCCCAAGACACTGAGAGTGTATTAATATTCAGAGTATTAATCA 708
Db 801 CTGTGATTCGCTGCTCCCAAGACACTGAGAGTGTATTAATATTCAGAGTATTAATCA 860
QY 709 GTTACGAGTATTAAGTTTTCATTTGCTTCTGAGGCAAGTGTGAGCTTGAATGACAG 768
Db 861 GTTACGAGTATTAAGTTTTCATTTGCTTCTGAGGCAAGTGTGAGCTTGAATGACAG 920
QY 769 GCATCCAGCTTCTGACGCCGAGGTGATCTTACAAATGAGTGTGCTGCTGCTGCTGCTG 828
Db 921 GCATCCAGTCTTCTGACGCCGAGGTGATCTTACAAATGAGTGTGCTGCTGCTGCTGCTG 980
QY 829 GTTGTGTGAGTGAAGTGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 888
Db 981 GTTGTGTGAGTGAAGTGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 1040
QY 889 TTGATATTCATTTCAAAAAGAAATCTGAAAAAGAAAGAAAGAAAGAAAGAAAGAAAG 948
Db 1041 TTGATATTCATTTCAAAAAGAAATCTGAAAAAGAAAGAAAGAAAGAAAGAAAGAAAG 1100
QY 949 AAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAG 1008
Db 1101 AAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAG 1160
QY 1009 CTCTCCCTCCCAATCTGTGAATCTGATCTGAAAGAAAGAAAGAAAGAAAGAAAGAAAG 1068
Db 1161 CTCTCCCTCCCAATCTGTGAATCTGATCTGAAAGAAAGAAAGAAAGAAAGAAAGAAAG 1220
QY 1069 CTCTCCCAAGAGGGGCTGATCAAGTTCACCCAGGCCAGCAAGTCAATCCAGGCTTCTT 1128
Db 1221 CTCTCCCAAGAGGGGCTGATCAAGTTCACCCAGGCCAGCAAGTCAATCCAGGCTTCTT 1280
QY 1129 TTAATCTGAGCAAGTCTGAGAAAGTCAAGTAATCAACTGTAGTATAG 1175
Db 1281 TTAATCTGAGCAAGTCTGAGAAAGTCAAGTAATCAACTGTAGTATAG 1327

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RESULT 2

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US-09-918-995-3342
; Sequence 3342, Application US/09918995
; Publication No. US20030073623A1
; GENERAL INFORMATION:
; APPLICANT: Hyseq, Inc.

```

```

; TITLE OF INVENTION: NOVEL NUCLEIC ACID SEQUENCES OBTAINED
; FILE REFERENCE: FROM VARIOUS CDNA LIBRARIES
; CURRENT APPLICATION NUMBER: US/09/918,995
; PRIOR FILING DATE: 2001-07-30
; PRIOR APPLICATION NUMBER: US/09/235,076
; NUMBER OF SEQ ID NOS: 38054
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 3342
; LENGTH: 474
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (1)..(474)
; OTHER INFORMATION: n = A,T,C or G
US-09-918-995-3342

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Query Match 22.9%; Score 269; DB 10; Length 474;
Best Local Similarity 98.2%; Pred. No. 1.3e-68;
Matches 272; Conservative 0; Mismatches 5; Indels 0; Gaps 0;

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QY 899 ATTCAAAAGAAATCTGAAAAAGAAAGACAAACAAAGAAATGAGACAGAAAGTGGAAA 958
Db 54 ACTTTTAAAGAAATCTGAAAAAGAAAGACAAACAAAGAAATGAGACAGAAAGTGGAAA 113
QY 959 TGAATACTCGGGCTACAAATTCAGATGATGACAAAGACACAGACACCGCTTCTCTCC 1018
Db 114 TGAATACTCGGGCTACAAATTCAGATGATGACAAAGACACAGACACCGCTTCTCTCC 173
QY 1019 CAATCTGTGAATTCAGATGATCTGACAAAGAAACAGATGATGAGCCCTCTCCACCA 1078
Db 174 CAATCTGTGAATTCAGATGATCTGACAAAGAAACAGATGATGAGCCCTCTCCACCA 233
QY 1079 GCGGGCTGATCAACGCTCCACCCAGGCCAGCAAGTCAATCCAGGCTTCTTTAATCTGAC 1138
Db 234 GCGGGCTGATCAACGCTCCACCCAGGCCAGCAAGTCAATCCAGGCTTCTTTAATCTGAC 293
QY 1139 CAGTCTGAGAAAGTCAATATCAACTGTAGTATAG 1175
Db 294 CAGTCTGAGAAAGTCAATATCAACTGTAGTATAG 330

```

RESULT 3

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US-09-864-761-16305
; Sequence 16305, Application US/09864761
; Patent No. US20020048763A1
; GENERAL INFORMATION:
; APPLICANT: Penn, Sharon G.
; APPLICANT: Rank, David R.
; APPLICANT: Hanzel, David K.
; APPLICANT: Chen, Wensheng
; TITLE OF INVENTION: HUMAN GENOME-DERIVED SINGLE EXON NUCLEIC ACID PROBES USEFUL FOR
; FILE REFERENCE: Aecmics-X-1
; CURRENT APPLICATION NUMBER: US/09/864,761
; PRIOR FILING DATE: 2001-05-23
; PRIOR APPLICATION NUMBER: US 60/180,312
; PRIOR FILING DATE: 2000-02-04
; PRIOR APPLICATION NUMBER: US 60/207,456
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: US 09/632,366
; PRIOR FILING DATE: 2000-08-03
; PRIOR APPLICATION NUMBER: GB 24263.6
; PRIOR FILING DATE: 2000-10-04
; PRIOR APPLICATION NUMBER: US 60/236,359
; PRIOR FILING DATE: 2000-09-27
; PRIOR APPLICATION NUMBER: PCT/US01/00666
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00667
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00664

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; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00669
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00665
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00666
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00663
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00662
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00661
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00670
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: US 60/234,687
; PRIOR FILING DATE: 2000-09-21
; PRIOR APPLICATION NUMBER: US 09/608,408
; PRIOR FILING DATE: 2000-06-30
; PRIOR APPLICATION NUMBER: US 09/774,203
; PRIOR FILING DATE: 2001-01-29
; NUMBER OF SEQ ID NOS: 49117
; SOFTWARE: Anndmax Sequence Listing Engine vers. 1.1
; SEQ ID NO: 16305
; LENGTH: 401
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; OTHER INFORMATION: MAP TO AF121782.1
; OTHER INFORMATION: EXPRESSED IN PLACENTA, SIGNAL = 1.9
US-09-864-761-16305

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Query Match      16.2% Score 190.4; DB 9; Length 401;
Best Local Similarity 97.0%; Pred. No. 2.1e-45;
Matches 194; Conservative 0; Mismatches 6; Indels 0; Gaps 0;

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QY 42 TTCTCCACGGTTTGGGCTCTGTATGATGATGAAAGGCCCCGAGAAATGCAACATC 101
DB 202 TACCTTCCAGGTTCTGGGCTGTGTATGATGAAAGGCCCCGAGAAATGCAACATC 261
QY 102 CTGAAGGGCTCCAGGCTGCTTCAACTGACCGTCTCCAGGCTGGAAGCTCATCATG 161
DB 262 CTGAAGGGCTCCAGGCTGCTTCAACTGACCGTCTCCAGGCTGGAAGCTCATCATG 321
QY 162 TGGGCTCTAGTACATGTGTGTGTGCTPAAGCTGACGCGCCATGAGCCCATCATCACC 221
DB 322 TGGGCTCTAGTACATGTGTGTGTGCTPAAGCTGACGCGCCATGAGCCCATCATCAT 381
QY 222 GACCGCTTACCTCTCAGAG 241
DB 382 GACCGCTTACCTCTCAGAG 401

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RESULT 4
; Sequence 4945, Application US/09983965
; Patent No. US20020137160A1
; GENERAL INFORMATION:
; APPLICANT: Warren, Wesley C.
; APPLICANT: Tao, Nengbing
; APPLICANT: Byatt, John C.
; APPLICANT: Machialagan, Nagappan
; TITLE OF INVENTION: NUCLEIC ACID AND OTHER MOLECULES ASSOCIATED WITH LACTATION AND
; FILE REFERENCE: 37-21(10297)C
; CURRENT APPLICATION NUMBER: US/09/983,965
; PRIOR FILING DATE: 2001-10-26
; PRIOR APPLICATION NUMBER: US 09/465,231
; PRIOR FILING DATE: 1999-12-15
; PRIOR APPLICATION NUMBER: US 60/113,678
; PRIOR FILING DATE: 1998-12-17
; NUMBER OF SEQ ID NOS: 5912
; SEQ ID NO 4945

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; LENGTH: 398
; TYPE: DNA
; ORGANISM: Bos taurus
; FEATURE:
; OTHER INFORMATION: Clone ID: 26-LIB34-017-Q1-E1-G9
US-09-983-965-4945

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Query Match      12.1% Score 142; DB 9; Length 398;
Best Local Similarity 74.8%; Pred. No. 4.3e-31;
Matches 178; Conservative 0; Mismatches 60; Indels 0; Gaps 0;

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QY 24 GAGATGGGCTTGATTTCTCCACGGTTCTGGGCTGTGTAATGATGAAAGGC 83
DB 161 GTGCTGTGTGCTCTGCGCTGCTGAGCCTGTGATCCAGAGTAATATAGAGGT 220
QY 84 CCCAGAAATGCAACAGTCTGAGAGGCTCCAGGCTGCTTCACTGACCGCTTCCAG 143
DB 221 CCCAAGAAATGTCAGAGCCTGAGAGGCTGAGAGGCTGCTTCACTGACCATCTG 280
QY 144 GGCTGAAAGCTCATATGTGGGCTCTCAGTGCATGTGTGTCTTAAGCTCAGCCCATG 203
DB 281 GGCTGAAAGCTCATATGTGGGCTCTGAGAGGCTGAGAGGCTGAGCATGACACTTAAT 340
QY 204 GAGCCCATCATCACCAGTACCGCTTCACTCTCAGAGGTAACACGAGGCGGAACT 261
DB 341 GAGCCCATCATCACCAGTACCGCTTCACTCTGAGAGGTAACACGAGGCGGAACT 398

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RESULT 5
; Sequence 16675, Application US/10424599
; Publication No. US20040031072A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa Thomas J
; APPLICANT: Kovalic David K
; APPLICANT: Zhou Yihua
; APPLICANT: Cao Yongmei
; TITLE OF INVENTION: Soy Nucleic Acid Molecules and Other Molecules Associated With
; FILE REFERENCE: 38-21(53223)B
; CURRENT APPLICATION NUMBER: US/10/424,599
; PRIOR FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 285684
; SEQ ID NO 16675
; LENGTH: 775
; TYPE: DNA
; ORGANISM: Glycine max
; FEATURE:
; OTHER INFORMATION: Clone ID: PAT_MRT3847_115063C.1
US-10-424-599-16675

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Query Match      4.3% Score 50.6; DB 17; Length 775;
Best Local Similarity 73.0%; Pred. No. 0.00068;
Matches 65; Conservative 0; Mismatches 24; Indels 0; Gaps 0;

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QY 808 GCTGCTGCTGCTGCGCGCTGCTGTGTGTGCTGCAACTGCTGCTGCTGCTTCT 867
DB 710 GTTGTGCTGCTGCTGCTGCTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 651
QY 868 GCTGTAGAAAGAAAAGAGATTTCGATT 896
DB 650 GCTGTGCTGCTGCTGAGGCCCTTTTGAAT 622

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RESULT 6
; Sequence 54485, Application US/10357930
; Publication No. US20040259086A1
; GENERAL INFORMATION:
; APPLICANT: Schlegel, Robert
; APPLICANT: Endege, Wilson
; APPLICANT: Monahan, John
; TITLE OF INVENTION: NOVEL GENES, COMPOSITIONS, KITS, AND METHODS FOR

```

Query Match	4.1%	Score 47.8;	DB 18;	Length 361;
Best Local Similarity	51.7%;			
Matches 109; Conservative	0.003;			

	Conservative	0	mismatches	102	Indels	0	Gaps	0
QY	867	TCCTGTAGAGAGAAAAGAGATTTTCGTATTCATTTCAAAAAGAAATCTGAAAAAGAGAG	926					
Db	138	TGCTGAAAAA	197					
QY	927	ACAAACAAAGAACTGAGACAGAAAGTGAAATGAAAACTCCGGCTACAAATTCAGATAA	986					
Db	198	AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAACACCCCAACAAACAAAAA	257					
QY	987	CAAAAGACACAGACACCGCTTCTCTCTCTCCCAATCTGTGAATTCAGTATCTGAA	1046					
Db	258	AAAAAAAAACACACACACACACTGCCCCCCCCCCCCCCCGGGAACCCCAATCCCCAC	317					
QY	1047	CAAAAGAAACAGTACTGTGGCCCTCTCAAC	1077					
Db	318	CGAAACAAATTTAACCCCCCCCCCTCTCCCCC	348					

RESULT 7
 US-10-384-107-1/c
 Sequence 1, Application US/10384107
 Publication No. US20050003477A1
 GENERAL INFORMATION:
 APPLICANT: The Trustees of Columbia University
 APPLICANT: Kandell, Eric R.
 APPLICANT: Santoro, Bina
 APPLICANT: Bartsch, Dusan
 APPLICANT: Siegelbaum, Steven
 APPLICANT: Tibbs, Gareth
 APPLICANT: Grant, Seth
 TITLE OF INVENTION: Pacemaker Channel Proteins and Uses Thereof
 FILE REFERENCE: 0575/5480-B
 CURRENT APPLICATION NUMBER: US/10/384,107
 CURRENT FILING DATE: 2003-03-06
 PRIOR APPLICATION NUMBER: 08/997,685
 PRIOR FILING DATE: 1997-12-23
 NUMBER OF SEQ ID NOS: 60
 SOFTWARE: PatentIn version 3.1
 SEQ ID NO 1

Query Match	4.1%	Score 47.6	DB 18	Length 2733
Best Local Similarity	75.6%	Pred. No. 0.011		
Matches 59	Conservative 0	Mismatches 19	Indels 0	Cross 0

CY	808	GCTGCTGCTGCTGCCCGTCGTTGTATGAGCGCAACGCTGCCTCCCGATTGGTTC	867
Dδ	2284	GCTGCTGCTGCTGCTGCTGTTGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT	2225
CY	868	GCTGTAGAAGAAAAAG	885
Dδ	2224	GCTGCTGCTGAAGCTGAG	2207

INFORMATION:
 APPLICANT: Actar, Ricardo M.
 APPLICANT: Bol, David K.
 APPLICANT: Gottardis, Marco
 APPLICANT: Mookhtiar, Kasim
 APPLICANT: Rowley, Ronald B.
 APPLICANT: Ostrowski, Jacek
 TITLE OF INVENTION: TRANSGENIC NON-HUMAN MAMMALS EXPRESSING A REPORTER NUCLEIC ACID
 TITLE OF INVENTION: UNDER THE REGULATION OF ANDROGEN RESPONSE ELEMENTS
 FIVE DATES: 2000

```

1 CURRENT APPLICATION NUMBER: US/10/620,514
2 INVENTOR: DOZG/NP
3
4 CURRENT FILING DATE: 2003-07-16
5
6 PRIOR APPLICATION NUMBER: US 60/396,501
7
8 PRIOR FILING DATE: 2002-07-17
9
10 NUMBER OF SEQ ID NOS: 14
11
12 SOFTWARE: PatentIn version 3.2
13
14 SEQ ID NO 4
15
16 LENGTH: 2706
17
18 TYPE: DNA
19
20 ORGANISM: Rattus norvegicus
21
22 US-10-620-514-4

```

Query Match	3.5%	Score 46	DB 17	Length 2706
Best Local Similarity	61.9%	Pred No. 0.032		
Matches 73	Conservative			

		V	mismatches	45	indels	0	Gaps	0
X	762	CATGACGGCAACCCTTCTTGAGCGCCGACGTACTTTACAATTAGCCTGCCTCTGTGC						821
b	632	CGATGCCCTCCCCTTGCTCTCAGCGCTGCTGCTCTTCGGAATATTAACTCTGCTGCTGT						573
Y	822	CGCGCAGTGTGTGTGAGCTGCAACTGCTGTGCGCTGTGTTCTTCGCGCTAGAAGA						879
X	572	TGCTGCTGCTGCTGCGCTGCTGCTGCTGCTGTGCTGTGCTGCTGCTGCTGAAGA						515

RESULT 9
S-10-008-739A-1/c
Sequence 1, Application US/10008739A
Publication No. US20020161194A1
GENERAL INFORMATION:
APPLICANT: Pfizer Inc.
APPLICANT: Castleberry, Tessa A.
APPLICANT: Lu, Bihong
APPLICANT: Owen, Thomas A.
APPLICANT: Smock, Steven L.
TITLE OF INVENTION: The Canine Androgen Receptor
FILE REFERENCE: PCl0893AGR
CURRENT APPLICATION NUMBER: US/10/008,739A
CURRENT FILING DATE: 2002-04-15
NUMBER OF SEQ ID NOS: 2
SOFTWARE: PatentIn version 3.1


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1  / APPLICANT: Kovalic, David K.
2  / APPLICANT: Zhou, Yihua
3  / APPLICANT: Cao, Yongwei
4  / APPLICANT: Wu, Wei
5  / APPLICANT: Boukharov, Andrey A.
6  / APPLICANT: Barbazuk, Brad
7  / APPLICANT: Li, Ping
8  / TITLE OF INVENTION: Rice Nucleic Acid Molecules and Other Molecules Associated With
9  / TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement
10 / FILE REFERENCE: 38-21(53321)B
11 / CURRENT APPLICATION NUMBER: US/10/437,963
12 / CURRENT FILING DATE: 2003-05-14
13 / NUMBER OF SEQ ID NOS: 204966
14 / SEQ ID NO 61590
15 / LENGTH: 1511
16 / TYPE: DNA
17 / ORGANISM: Oryza sativa
18 / FEATURE:
19 / OTHER INFORMATION: Clone ID: PAT_MRT4530_63008C.1
20 / US-10-437-963-61590

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Query March      3.8%; Score 45; DB 18; Length 1511;
Best Local Similarity 65.3%;
Matches 66; Conservative 0.045; Mismatches 17
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[illegible]

Dy 852 TGCCTGTTTCTGCTGAGAAGAAAAGAGATTTC 892
||| |||||
Db 1184 TGCTGCTGTGCTGAATGGTGTGATGTTGCGTGCTGTTTTG 1224
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RESULT 14
US-10-242-535A-1932/C

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; Sequence 1932, Application US/10742535A
; Publication No. US20040013663a1
; GENERAL INFORMATION:
; APPLICANT: ChondroGene Inc.

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1  APPLICANT: Liew, C.C.
2  TITLE OF INVENTION: Compositions and Methods Relating to Osteoarthritis
3  FILE REFERENCE: 4231/2005
4  CURRENT APPLICATION NUMBER: US/10/242,535A

```

? CURRENT FILING DATE: 2002-09-12
 ?
 ? PRIOR APPLICATION NUMBER: US 10/085,783
 ?
 ? PRIOR FILING DATE: 2002-02-28
 ?
 ? PRIOR APPLICATION NUMBER: US 60/305,340
 ?

PRIOR FILING DATE: 2001-07-13
 PRIOR APPLICATION NUMBER: US 60/275,017
 PRIOR FILING DATE: 2001-03-12
 PRIOR APPLICATION NUMBER: US 60/271,955

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PRIORITY FILING DATE: 2001-02-28
NUMBER OF SEQ ID NOS: 58994
SOFTWARE: PatentIn version 3.2
SEQ ID NO 1932

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;
; LENGTH: 616
;
; TYPE: DNA
;
; ORGANISM: Human
JS-10-242-535A-1932

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Query Match	3.8%	Score 44.8	DB 17	Length 616
Best Local Similarity	81.2%	Pred. No. 0.031		
Matches 52	Conservative 0	Mismatches 12	Indels 0	Gaps 0

808 GCGGCGGCGGCGGCGCCCGCTCGTTTATGAGCGCACTGCTGCTGCGGATGATTTTCT 867
|||||
486 GCGGCGGCGGCTTTCGCTTTCGCTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 427
|||||

Y	868	GCTG	871
b	426	GCTG	423

RESULT 15
US-10-085-783A-1932/c
; Sequence 1932, Application US/10085783A
; Publication No. US20040037841A1
; GENERAL INFORMATION:
; APPLICANT: ChondroGene Inc.

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: APPLICANT: Liew, C.C.
: TITLE OF INVENTION: Compositions and Methods Relating to Osteoarthritis
: FILE REFERENCE: 4231/2002
: CURRENT APPLICATION NUMBER: US/10/085,783A

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:
: CURRENT FILING DATE: 2002-02-28
:
: PRIOR APPLICATION NUMBER: US 60/305,340
:
: PRIOR FILING DATE: 2001-07-13
:
: PRIOR APPLICATION NUMBER: US 60/275,017
:

```

; PRIOR FILING DATE: 2001-03-12
 ; PRIOR APPLICATION NUMBER: US 60/271,955
 ; PRIOR FILING DATE: 2001-02-28
 ; NUMBER OF SEQ ID NOS: 58994

```

/ / SOFTWARE: Patentin version 3.2
/ / SEQ ID NO 1932
/ / LENGTH: 616
/ / TYPE: DNA
/ /

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Query Match	Score	DB	Length
US-10-085-783A-1932	3.8%	17	616

808 GGTGGTGGTGGCCGCGCGCGTTGTCGACCAAGCTGCTCCGCTGTTGTTCT
 best local similarity 81.2%; Pred. No. 0.031;
 Matches 52; Conservative 0; Mismatches 12; Indels 0; Gaps

[illegible]

Db 426 GCTG 423

Search completed: February 25, 2005, 06:16:01
Job time : 828.424 secs


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; SEQ ID NO 12780
;
; LENGTH: 1918
;
; TYPE: DNA
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; ORGANISM: Drosophila melanogaster
US-09-270-767-12780

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Query Match	4.4%	Score 51.4	DB 4	Length 1918
Best Local Similarity	84.1%	Pred. No. 7.4e-05		
Matches 58	Conservative	0	Mismatches 17	

[illegible]

QY	866	CTGCTGTAG	874
Db	500	CTGCTGTGG	492

RESULT 3
US-09-497-822C-20/c
; Sequence 20, Application US/09497822C

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APPLICANT: Fruech, Frank
APPLICANT: Wilson, Elizabeth
APPLICANT: Joseph, David
APPLICANT: Lubahn, Dennis
TITLE OF INVENTION: ANDROGEN RECEPTOR PROTEINS RECOMBINANT DNA MOLECULES AND CODING F
FILE REFERENCE: 5470.1130DV
CURRENT APPLICATION NUMBER: US/09/497,822C
CURRENT FILING DATE: 2000-02-03
NUMBER OF SEQ ID NOS: 26
SOFTWARE: PatentIn version 3.1
SEQ ID NO 20
LENGTH: 4288
TYPE: DNA
ORGANISM: Rattus rattus
OS-09-497-822C-20

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Query Match	4.1%;	Score 48.4;	DB 4;	Length 4288;
Best Local Similarity	62.3%;	Pred. No. 0.0011;		
Matches	76;	Conservative	0;	Mismatches 46;

762 CTACAGGACCATGCTTCTGACGCCGACGTTACTCTTACAATACGCTGCTGCTGCC 821

1/5/ CCAGTGGCCCTCCCTTGCTCTCAGCGTGTGCTGCTGCCITCGGATATACCTCCTGCTGCTGT 1698

[illegible]

1637 AG 1636

RESULT 4
S-08-531-927B-3/C
Sequence 3, Application US/08531927B

AFFILIANT: NAKIZUKA, AKIRA
TITLE OF INVENTION: DNA Sequence Encoding the Machado-Joseph
Patent No. 5840491
TITLE OF INVENTION: Disease Gene and Uses Thereof
NUMBER OF SHEETS: 1

NUMBER OF SEQUENCES: 23
CORRESPONDENCE ADDRESS:
ADDRESSEE: Hamilton, Brook, Smith & Reynolds, P.C.
STREET: Two Militia Drive
CITY: Lexington
STATE: Massachusetts

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      : COUNTRY: USA
      : ZIP: 02173-4799
      : COMPUTER READABLE FORM:
      : MEDIUM TYPE: Floppy disk
      : COMPUTER: IBM PC compatible
      : OPERATING SYSTEM: PC-DOS/MS-DOS
      : SOFTWARE: Patent Release #1.0, Version #1.30
      : CURRENT APPLICATION DATA:
      : APPLICATION NUMBER: US/08/531,927B
      : FILING DATE: 21-SEP-1995
      : CLASSIFICATION: 435
      : PRIOR APPLICATION DATA:
      : APPLICATION NUMBER: JP H6-251600
      : FILING DATE: 21-SEP-1994
      : ATTORNEY/AGENT INFORMATION:
      : NAME: Granahan, Patricia
      : REGISTRATION NUMBER: 32,227
      : REFERENCE/DOCKET NUMBER: ATH95-01A
      : TELECOMMUNICATION INFORMATION:
      : TELEPHONE: 617-861-6240
      : TELEFAX: 617-861-9540
      : INFORMATION FOR SEQ ID NO: 3:
      : SEQUENCE CHARACTERISTICS:
      : LENGTH: 325 base pairs
      : TYPE: nucleic acid
      : STRANDEDNESS: single
      : TOPOLOGY: linear
      : FEATURE:
      : NAME/KEY: modified_base
      : LOCATION: 145
      : FEATURE:
      : NAME/KEY: modified_base
      : LOCATION: 194
      : US-08-531-927B-3

Query Match          4.1%; Score 48.2; DB 2; Length 325;
Best Local Similarity 57.8%; Pred. No. 0.00021;
Matches 100; Conservative 2; Mismatches 70; Indels 1; Gaps 1;

QY    792 TGTACTCTTACAAATAGCGTGCTGCTGTCGCCGCCTGGTTGTGTGGCTGCAACTGCTGC   851
DB    210 TGTCCTTAATAGATCCSCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGC   151

QY    852 TGCCGTGTTGTTTTCGCTGCTGA--GAAAAAGAGATTTCGATTCAATTCAAAGA     910
DB    150 TGCATGTCGCTGTTGCTGCTGCTGCTGCTGAACAATCAAAAAGTAGAATAATATTTAAAAAAC     91

QY    911 ATCTGAAAAAGAGAGAACAAACAAGAACTGAGACAGAAAGTGAAGTAATGAAA       963
DB    90 AAACCTTAAAGATTAATAATACACCATGAGAAAAAATTCATTCAATAGGAAAAATATCA     38

RESULT 5
US-08-997-685A-1/C
Sequence 1, Application US/08997685A
Patent No. 6551821
GENERAL INFORMATION:
APPLICANT: The Trustees of Columbia University
APPLICANT: Kandel, Eric
TITLE OF INVENTION: Brain Cyclic Nucleotide Gated Ion Channel and Uses Thereof
FILE REFERENCE: 0575/54806
CURRENT APPLICATION NUMBER: US/08/997,685A
CURRENT FILING DATE: 1997-12-12
NUMBER OF SEQ ID NOS: 60
SOFTWARE: Patent version 3.1
SEQ ID NO 1
LENGTH: 2733
TYPE: DNA
ORGANISM: mouse
US-08-997-685A-1

Query Match          4.1%; Score 47.6; DB 4; Length 2733.
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: COUNTRY: USA
: ZIP: 02173-4799
: COMPUTER READABLE FORM:
: MEDIUM TYPE: Floppy disk
: COMPUTER: IBM PC compatible
: OPERATING SYSTEM: PC-DOS/MS-DOS
: CURRENT APPLICATION DATA:
: APPLICATION NUMBER: US/08/531,927B
: FILING DATE: 21-SEP-1995
: CLASSIFICATION: 435
: PRIOR APPLICATION DATA:
: APPLICATION NUMBER: JP H6-251600
: FILING DATE: 21-SEP-1994
: ATTORNEY/AGENT INFORMATION:
: NAME: Granahan, Patricia
: REGISTRATION NUMBER: 32,227
: REFERENCE/DOCKET NUMBER: ATH95-01A
: TELECOMMUNICATION INFORMATION:
: TELEPHONE: 617-861-6240
: TELEFAX: 617-861-9540
: INFORMATION FOR SEQ ID NO: 3:
: SEQUENCE CHARACTERISTICS:
: LENGTH: 325 base pairs
: TYPE: nucleic acid
: STRANDEDNESS: single
: TOPOLOGY: linear
: FEATURE:
: NAME/KEY: modified_base
: LOCATION: 145
: FEATURE:
: NAME/KEY: modified_base
: LOCATION: 145
: NAME/KEY: modified_base
: LOCATION: 194
: US-08-531-927B-3

Query Match 4.1%; Score 48.2; DB 2; Length 325;
Best Local Similarity 57.6%; Pred. No. 0.00021;
Matches 100; Conservative 2; Mismatches 70; Indels 1; Gaps 1;

QY 792 TGTACTCTTACAATAACGCTCTGCTGCGCCGCGTGTGTGGCGTCAACTGCTGC 851
DB 210 TGTCTCATATAGTCCGCTGCTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGC 151
QY 852 TGCCTGTGTTGTTTGTCTGTAGAA-GAAAAAGAGATTTCGTATCAATTTCAAAAAGAA 910
DB 150 TGCATGCTGCTGCTTGTCTGCTGTCTGGAACAATTCAAAAGTGAATATATTTAAAAAAC 91
QY 911 ATCTGAAAAAGAGAGACAAACAAGAACTAGACACAAAAGTGAATAATGAAA 963
DB 90 AAACCTTAAAGATTAATATACACCATGAGAAAAAATTATTCATTAAGGAAAAATACA 38

RESULT 5
US-08-997-685A-1/c
: Sequence 1, Application US/08997685A
: Patent No. 6551821
: GENERAL INFORMATION:
: APPLICANT: The Trustees of Columbia University
: APPLICANT: Kandel, Eric
: TITLE OF INVENTION: Brain Cyclic Nucleotide Gated Ion Channel and Uses Thereof
: FILE REFERENCE: 0576/54806
: CURRENT APPLICATION NUMBER: US/08/997,685A
: CURRENT FILING DATE: 1997-12-12
: NUMBER OF SEQ ID NOS: 60
: SOFTWARE: PatentIn version 3.1
: SEQ ID NO 1
: LENGTH: 2733
: TYPE: DNA
: ORGANISM: mouse
: US-08-997-685A-1

Query Match 4.1%; Score 47.6; DB 4; Length 2733;
Best Local Similarity 75.6%; Pred. No. 0.0014;

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GenCore version 5.1.6
Copyright (c) 1993 - 2005 Compugen Ltd.

OM protein - protein search, using sw model

Run on: February 22, 2005, 19:26:31 ; Search time 72.4939 Seconds
(without alignments)
1724.366 Million cell updates/sec

Title: US-09-729-264-2

Perfect score: 2059

Sequence: 1 MGVLFHFGSGSGNEVIEGP.....HPQAFSNLASPKKVSNTTVV 382

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 1380268 seqs, 327241040 residues

Total number of hits satisfying chosen parameters: 1380268

Minimum DB seq length: 0

Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database :

Published Applications AA:*

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20: /cgn2_6/ptodata/2/pubpaa/US60_PUBCOMB.pep:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	2014	97.8	407	15	US-10-104-047-3074
2	147.5	7.2	390	15	US-10-309-290-98
3	147.5	7.2	390	15	US-10-309-290-100
4	147.5	7.2	404	15	US-10-309-290-96
5	142	6.9	405	8	US-08-755-235-4
6	140	6.8	633	14	US-10-180-410-26
7	138.5	6.7	2473	14	US-10-184-644-559
8	138.5	6.7	2473	14	US-10-184-634-559
9	138	6.7	592	14	US-10-180-410-2
10	138	6.7	592	15	US-10-312-528-2
11	136	6.6	594	15	US-10-180-410-12
12	136	6.6	594	15	US-10-312-528-12
13	136	6.6	708	13	US-10-052-586-584

14	136	6.6	708	14	US-10-174-590-584	Sequence 584, App
15	136	6.6	708	14	US-10-176-758-584	Sequence 584, App
16	136	6.6	708	14	US-10-175-737-584	Sequence 584, App
17	136	6.6	708	14	US-10-174-581-584	Sequence 584, App
18	136	6.6	708	14	US-10-176-483-584	Sequence 584, App
19	136	6.6	708	14	US-10-176-749-584	Sequence 584, App
20	136	6.6	708	14	US-10-176-914-584	Sequence 584, App
21	136	6.6	708	14	US-10-176-915-584	Sequence 584, App
22	136	6.6	708	14	US-10-173-706-584	Sequence 584, App
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33	136	6.6	708	14	US-10-174-582-584	Sequence 584, App
34	136	6.6	708	14	US-10-174-588-584	Sequence 584, App
35	136	6.6	708	14	US-10-175-739-584	Sequence 584, App
36	136	6.6	708	14	US-10-175-740-584	Sequence 584, App
37	136	6.6	708	14	US-10-175-743-584	Sequence 584, App
38	136	6.6	708	14	US-10-176-488-584	Sequence 584, App
39	136	6.6	708	14	US-10-176-492-584	Sequence 584, App
40	136	6.6	708	14	US-10-176-747-584	Sequence 584, App
41	136	6.6	708	14	US-10-176-750-584	Sequence 584, App
42	136	6.6	708	14	US-10-176-985-584	Sequence 584, App
43	136	6.6	708	14	US-10-176-987-584	Sequence 584, App
44	136	6.6	708	14	US-10-176-992-584	Sequence 584, App
45	136	6.6	708	14	US-10-176-993-584	Sequence 584, App

ALIGNMENTS

RESULT 1

US-10-104-047-3074

Sequence 3074, Application US/10104047

Publication No. US20030236392A1

GENERAL INFORMATION:

APPLICANT: HELIX RESEARCH INSTITUTE

TITLE OF INVENTION: No. US20030236392A1e1 full length cDNA

FILE REFERENCE: H1-A0105

CURRENT APPLICATION NUMBER: US/10/104,047

CURRENT FILING DATE: 2002-03-25

PRIOR APPLICATION NUMBER:

PRIOR FILING DATE:

NUMBER OF SEQ ID NOS: 4096

SOFTWARE: PatentIn Ver. 2.1

SEQ ID NO 3074

LENGTH: 407

TYPE: PRT

US-10-104-047-3074

US-10-104-047-3074

Query Match	97.8%	Score 2014;	DB 15;	Length 407;
Best Local Similarity	99.7%	Pred. No. 9.7e-159;		
Matches 373;	Conservative	1;	Mismatches 0;	Indels 0;
			Gaps 0;	
QY	9	GGSGNEVIEGPNATVLKGSQARNCTYSQGWKLIMWALSDMVLSVPMPIITNDPF	68	
DB	34	GGSGNEVIEGPNATVLKGSQARNCTYSQGWKLIMWALSDMVLSVPMPIITNDPF	93	
QY	69	TSQRYDQGNFTSEMIIHNVEPSDGNIRCSQNSRLHSAVLTQVMGELFIPSVNLAV	128	
DB	94	TSQRYDQGNFTSEMIIHNVEPSDGNIRCSQNSRLHSAVLTQVMGELFIPSVNLAV	153	
QY	129	AENPECVTCLPDSHWTRLPDISMELGLVSHSSYFVPEPSDQSAVSLALTPOSGNTL	188	
DB	154	AENPECVTCLPDSHWTRLPDISMELGLVSHSSYFVPEPSDQSAVSLALTPOSGNTL	213	

RESULT 2
US-10-309-290-98
; Sequence 98, Application US/10309290
; Publication No. US20040023241A1
; GENERAL INFORMATION:
; Applicant: Alcatel

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? Remaining Prior Application data removed - See File Wrapper or PALM.
? NUMBER OF SEQ ID NOS: 274
? SOFTWARE: CuraseqList version 0.1
? SEQ ID NO 98
? LENGTH: 390
? TYPE: PRT
? ORGANISM: Homo sapiens
? OS-10-309-290-98

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Query Match	7.2%	Score 147.5	DB 15	Length 390
Best Local Similarity	22.6%	Pred. No. 0.0011		
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			Indels	137
			Gaps	18

QY	15	EVIEGPONATVLKGSQARFNCTVSGG--WKLIMVALDMVLSVRPMEEIITNDRFIS	70
DB	111	EIVDSASELTA--GVPMNVGTCVBSGSGVPAGTILSHLHG-----KPLVPMKGVSV	159
QY	71	-----QRYOGGNFT--SEMIITHNVEPSSDGNIR-----CSLONSRLHGSAYLTVQVCGELF	120
DB	160	KEQTRRHDETGIFTLQSELM--VTPARGGDPRLTFSCSFSPGLPRHRLATAPIQPRVW	216
QY	121	IP-----SVNLVAENER-----CEYTCLPSHMTRLPDISWEGLVSHSY	162
DB	217	EPVPLEBQVLVY--EPEGGAVADGGVITLTLCVPAQDS-----PQIHMKMD-----	260
QY	163	YFVEPEPSDLOSVAISIALTPQSNGLTCVATWKSILKARKSATVNLVIRCPDTGGGINI	222
DB	261	-GVPLPLPPSPVLLLPETIGPDQCTYSCVATHSHGQESRAVSIISIE-PGEGS----	313
QY	223	PGVLSLPSLGFSLPTWGVKVLGLAGIMLLT-----PCTTLTRCCCCRRRCGCNCC	275
DB	314	-----PTGASVGGSGLGLTALALGLLGLGTAALLIGVILLQWR-----	352
QY	276	CRCFCCKRRKRRGRIOFQKSKSEKXT--NKETETSGENENSGYNSDQKTTDPAASLPKPS	333
DB	353	-----QRGEERKAPENQEEBEERALELN-----	375
QY	334	CESSDPEQRNNSCGPP	349
DB	376	-QSEEPAGESSITGCP	390

RESULT 3
US-10-309-290-100
Sequence 100. US20040023241AI
Publication No. US20040023241AI
GENERAL INFORMATION:
APPLICANT: Alsbrook II, John P.
APPLICANT: Anderson, David W.
APPLICANT: Boldog, Ferenc L.
APPLICANT: Bungee, Catherine E.
APPLICANT: Chilikakuru, Rajeev A.
APPLICANT: Edinger, Shlomit R.
APPLICANT: Gerlach, Valerie L.
APPLICANT: Gorman, Linda
APPLICANT: Gould-Rothberg, Bonnie E.
APPLICANT: Guo, Xiaojia
APPLICANT: Jeffers, Michael E.
APPLICANT: Ji, Weichen
APPLICANT: Li, Li
APPLICANT: Malyanekar, Uriel M.
APPLICANT: Miller, Charles E.
APPLICANT: Murphy, Ryan
APPLICANT: Patturajan, Meera
APPLICANT: Peyman, Joan A.
APPLICANT: Rastelli, Lucia
APPLICANT: Rieger, Daniel K.
APPLICANT: Shenoy, Suresh G.
APPLICANT: Smithson, Glendma
APPLICANT: Starling, Gary
APPLICANT: Taupier, Raymond J.
APPLICANT: Voss, Edward Z.
APPLICANT: Zhong, Hahong


```

Db      231 EPVLEBEVQLV---BPEGAVAPRGTVTLTCEVPAQS-----PQIHMKD----- 274
Qy      163 YFPBESDQASVSIALLTPQSNGLTCVAATWSLKARKSATVNLTVIRCPDGTGGINI 222
Db      275 -GVPPLPSPVLLIPEIGPODQGYTSCVATHSHQPSRAVSIIE-FOEBE----- 327
Qy      223 PGLVSLPSLGFSLPTWKGVLGLAGTMTLT-----PTCLTTRCCCRCCGCCNCC 275
Db      328 -----PTAGSVGGSGGLTALALGILGGLTALALGIVILMORR----- 366
Qy      276 CACCCRCRKRGRFRIQFOKSEKEXT--NKETETESGENSGVNSDEQKTTDTASLPKS 333
Db      367 -----ORRGERRKAPENQEEERAEALN----- 389
Qy      334 CESSDPEQRNSSCGPP 349
Db      390 -QSEEPBAGSSTGCP 404

```

```

RESULT 5
US-08-735-235-4
; Sequence 4, Application US/08755235
; Publication No. US20030059423A1
; GENERAL INFORMATION:
; APPLICANT: Stern, David M.
; APPLICANT: Schmidt, Ann Marie
; APPLICANT: Wu, Jun
; TITLE OF INVENTION: METHOD FOR TREATING SYMPTOMS OF DIABETES
; FILE REFERENCE: 0575/50159
; CURRENT APPLICATION NUMBER: US/08/755,235
; NUMBER OF SEQ ID NOS: 4
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 4
; LENGTH: 405
; TYPE: PRT
; ORGANISM: Human
US-08-735-235-4

```

```

Query Match      6.9%; Score 142; DB 8; Length 405;
Best Local Similarity 22.8%; Pred. No. 0.0032;
Matches 86; Conservative 40; Mismatches 113; Indels 138; Gaps 19;

Qy      15 EVLEGPQNAATVLSQARFNCTVSQ---WKLIMALSDMVLSVRPMEPIITNDRTFS- 70
Db      125 EIVDSASELTA--GVENKXGTCSBGSYPAGTLSWHLDG-----KPLVPMKGVSV 173
Qy      71 ----QRYDQGNFT--SEMTIHNVBPSDGNIR-----CSLQNSRLHGSAYLTVQVMGELF 120
Db      174 KEQTRHHPETGLFTLOSELM--VTPARGDPRPTFSCSFSGPLRHRALMTAPIQPRVW 230
Qy      121 IP-----SVNLVVAENEP-----CEVTCLEPSHWRLPDISWEIGLVSHSSY 162
Db      231 EPVLEBEVQLV---BPEGAVAPRGTVTLTCEVPAQS-----PQIHMKD----- 274
Qy      163 YFPBESDQASVSIALLTPQSNGLTCVAATWSLKARKS-ATVNLTVIRCPDGTGGINI 221
Db      275 -GVPPLPSPVLLIPEIGPODQGYTSCVATHSHQPSRAVSIIE-FOEBE----- 328
Qy      222 IPGLVSLPSLGFSLPTWKGVLGLAGTMTLT-----PTCLTTRCCCRCCGCCNCC 274
Db      328 -----PTAGSVGGSGGLTALALGILGGLTALALGIVILMORR----- 366
Qy      276 CACCCRCRKRGRFRIQFOKSEKEXT--NKETETESGENSGVNSDEQKTTDTASLPK 332
Db      368 -----ORRGERRKAPENQEEERAEALN----- 389
Qy      334 CESSDPEQRNSSCGPP 349
Db      391 -QSEEPBAGSSTGCP 405

```

RESULT 6

```

US-10-180-410-26
; Sequence 26, Application US/10180410
; Publication No. US20030148382A1
; GENERAL INFORMATION:
; APPLICANT: SUN, CHAO
; APPLICANT: CARULLI, JOHN P.
; APPLICANT: LUKASHIN, ALEXANDER V.
; APPLICANT: KIRBYRN, DANIEL R.
; TITLE OF INVENTION: PANCRAS NUCLEIC ACIDS AND POLYPEPTIDES
; FILE REFERENCE: A097 CIP
; CURRENT APPLICATION NUMBER: US/10/180,410
; PRIOR FILING DATE: 2002-06-24
; PRIOR APPLICATION NUMBER: PCT/US01/19904
; PRIOR FILING DATE: 2001-06-22
; PRIOR APPLICATION NUMBER: 60/213,611
; NUMBER OF SEQ ID NOS: 33
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 26
; LENGTH: 633
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-180-410-26

```

```

Query Match      6.8%; Score 140; DB 14; Length 633;
Best Local Similarity 24.2%; Pred. No. 0.0083;
Matches 56; Conservative 40; Mismatches 105; Indels 30; Gaps 10;

Qy      3 LVIFHSGSNEVEBGPQNAATVLSQARFNCTVSQGWKLIMALSDMVLSVRPMEPI 62
Db      13 LFCRGAQSPSPHFLQDPEDLVLLGEBEARLPALCAVYGLVQMTSGALGGQR----- 67
Qy      63 ITNDRFTSQRYDQGNFTS---EMTIHNVBPSDGNIRCSLQNSRLHG-SAVLTV----- 113
Db      68 ---DLPGMSRYWISGNAANGHDHIRPVELDEBASIECOAQOAGRSRPAQLHVLVPE 124
Qy      114 --QVMGELFIPSVNLVVAENEPCEVTCLEPSHWR-LPDISW-ELGLVSHSSY--FVPE 167
Db      125 APQVLGG--PSVSLVA--GVPAANTLCRSRGARPTPELIMFRDVLIDGATFHQTLKE 179
Qy      168 -PSDQASVSIALLTPQSNGLTCVAATWSLKARKSATVNLTVIRCPQDT 216
Db      180 GTGVSVESTLTLPFSHDDGATLVCRABQALPTGRDAITLSTQYPPVET 230

```

```

RESULT 7
US-10-184-644-559
; Sequence 559, Application US/10184644
; Publication No. US20030044930A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430R1C27
; CURRENT APPLICATION NUMBER: US/10/184,644
; PRIOR FILING DATE: 2002-06-28
; PRIOR APPLICATION removed - See file wrapper or Palm
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 559
; LENGTH: 2473
; TYPE: DNA
; ORGANISM: Homo Sapien
US-10-184-644-559

```

Query Match	6.7%	Score 138.5;	DB 14;	Length 2473;
Best Local Similarity	29.5%	Pred. No. 0.065;		
Matches 31; Conservative	3;	Mismatches 36;	Indels 35;	Gaps 2;

QY 179 ALTPQSNGLTCAVTWKSILKARKATVNLIVIRCPQDTGGGINIPGVLSLLPSLGFSLPT 238
 Db 2274 AATTGAAGTTCAATTAAATTAATATGTTCC-----2307

```

Qy      239  WGVKVLGLAGTMLTLPICLTIRCCCR-RRCGCGNCCRCFCPC 282
          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
Db      2308  -----ATTCTCATGCGCCACCCGACCCCGCCCCACGACC 2344

```

```

RESULT 8
US-10-184-634-559
; Sequence 559, Application US/10184634
; Publication No. US20030068684A1
; GENERAL INFORMATION:

```

APPLICANT: Bamer, Kevin P.
 APPLICANT: Chen, Jian
 APPLICANT: Denoyers, Luc
 APPLICANT: Gddard, Audrey
 APPLICANT: Gddowski, Paul J.
 APPLICANT: Gtney, Austin L.
 APPLICANT: Pan, James
 APPLICANT: Smith, Victoria
 APPLICANT: Watanabe, Colin K.
 APPLICANT: Wood, William I.
 APPLICANT: Zhang, Zemin

Query Match	6.7%;	Score	138.5;	DB	14;	Length	2473;
Best Local	Similarity	29.5%;	Pred	No.0.065;			
Matches	31;	Conservative	3;	Mismatches	36;	Indels	35;
						Gaps	2

Oy 179 ALTPQSNGLTCAVATWTKSLKARKSATVNLTIVRCQDQTGGGININIGVLSSULPSLPSLPT 238
| | | | | : | | | |
Db 2274 AATTGAAGTTTCATTAAATTATTAATGTTTC----- 230

```

Oy      239  WGVKVLGLAGTMLTPTCTLTIRCCCR-RRCCGNCRCRCPC 282
          |  |  |  |  |  |  |  |  |  |  |  |  |  |
Db      2308  -----ATTCTCATGCGCCACCCACCCCGCCCCACACACC 2344

```

RESULT 9
US-10-180-410-2
; Sequence 2, Application US/10180410
; Publication No. US20030148382A1
; GENERAL INFORMATION:

1 APPLICANT: SUN, CHAO
 2 APPLICANT: CARULLI, JOHN P.
 3 APPLICANT: LUKASHIN, ALEXANDER V.
 4 APPLICANT: KILBURN, DANIEL R.
 5 TITLE OF INVENTION: PANCAM NUCLEIC ACIDS AND POLYPEPTIDES
 6 FILE REFERENCE: A097 CIP
 7 CURRENT APPLICATION NUMBER: US/10/180,410
 8 CURRENT FILING DATE: 2002-06-24
 9 PRIOR APPLICATION NUMBER: PCT/US01/19904
 10 PRIOR FILING DATE: 2001-06-22
 11 PRIOR APPLICATION NUMBER: 60/213,611
 12 PRIOR FILING DATE: 2000-06-22

```

; NUMBER OF SEQ ID NOS: 33
; SOFTWARE: Patentin Ver.
; SEQ ID NO 2 ...
; LENGTH: 592
; TYPE: PRT
; ORGANISM: Homo sapiens
us-10-180-410-2

```

Query Match	6.7%	Score 138	DB 14	Length 592
Best Local Similarity	23.8%	Pred. No. 0	011	
Matches 55	Conservative 40	Mismatches 106	Indels 30	Gaps 10

QY 3 LVLEFHSGSGSENVIEEGPOAATVLKSGQAFFNCVSGMKLIMALSDMVLVSRPEMPI 62
Db 10 LFCFRSGAGSPHPHLOQPEDLVLLGSEARLPCALGAYWGLVQMTKSGIALGQR----- 64
QY 63 ITYNDRTFSQYDQGNFTS---EMILHNVPSSGNGIRCSLQNSRLHG-SAYLVY----- 113
Db 65 ---DLPEWSTYIWSGNANQCHDHLHTRPEVLEEDASTECQATGAGLSRPAQLHVLPE 121

[illegible]

RESULT 10
US-10-312-528-2
; Sequence 2, Application US/10312528
; Publication No. US20030211517A1
GENERAL INFORMATION:

APPLICANT: BIOGEN, INC.
 APPLICANT: CARULLI, JOHN P.
 APPLICANT: LUKASHIN, ALEXANDER V.
 APPLICANT: KILBURN, DANIEL R.
 APPLICANT: SUN, CHAO
 TITLE OF INVENTION: GP354 NUCLEIC ACIDS AND POLYPEPTIDES
 FILE REFERENCE: A097CCT0045-114
 CURRENT APPLICATION NUMBER: US/10/312,528
 CURRENT FILING DATE: 2002-12-23
 PRIOR APPLICATION NUMBER: 60/213,611
 PRIOR FILING DATE: 2000-06-22
 NUMBER OF SEQ ID NOS: 18
 SOFTWARE: PatentIn Ver. 2.1

Query Match	6.7%	Score 138	DB 15	Length 592
Best Local Similarity	23.8%	Pred. No. 0.011		
Matches 55; Conservative	40	Mismatches 106	Indels 30	Gaps 10

QY 3 LVLFPHSGSGNEVIEBGPQAATVLTAKSGQARFNCIVSGQWLTLMALSMVVLVSAPMEPI 62
 Db 10 LFCRSGAGSPHPFLQDPEDVVLLEGBARPCMLGAWGLVQTTKSLAIGQR----- 64
 QY 63 ITNDRFTSQRYDQGNFTS---EMIHNVPDSGNTRCISLQNSRLHG-SAYLV----- 113
 Db 65 ---DLPMWSTWYISGNANAGQHDHITIPVELEDASTECQATQGLNSRPMQHLVTYPE 121

QY	114	--OVMGELFIPSPNVLVAENEPCEVICLPSHMFR--LPDISW--EGLGLVSHSSYY--FVPE	167
QY	122	APQVLGG--PVSLSVA--GVNPANLTRSRKQDAPTELLMFRDQVLDGTFPHOTLKE	176
QY	168	--PESDLOSASVITALTPOSGNGLTCVATKWSLKARKSATVNLVIRCPQDT	216
QY	177	GTQGSVESTLTLLPFSHDGCAITFCVCRKRSQALPTGRGTATILTSIQYPEVNT	227

RESULT 11
US-10-180-410-12
; Sequence 12, Application US/10180410
; Publication No. US20030148382A1
; GENERAL INFORMATION:
; APPLICANT: SUN, CHAO
; APPLICANT: CARULLI, JOHN P.
; APPLICANT: LUKASHIN, ALEXANDER V.
; APPLICANT: KILBURN, DANIEL R.
; TITLE OF INVENTION: PANCAM NUCLEIC ACIDS AND POLYPEPTIDES
; FILE REFERENCE: A097 CIP
; CURRENT APPLICATION NUMBER: US/10/180,410
; CURRENT FILING DATE: 2002-06-24
; PRIOR APPLICATION NUMBER: PCT/US01/19904
; PRIOR FILING DATE: 2001-06-22
; PRIOR APPLICATION NUMBER: 60/213,611
; PRIOR FILING DATE: 2000-06-22
; NUMBER OF SEQ ID NOS: 33
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 12
; LENGTH: 594
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-180-410-12

Query Match 6.6%; Score 136; DB 14; Length 594;
Best Local Similarity 23.8%; Pred. No. 0.017;
Matches 55; Conservative 40; Mismatches 106; Indels 30; Gaps 10;
QY 3 LVIFLHSGSGNEVIEGPONATVLKSGQAFNCTVSGQKLIWMLSDWVLSVRPMEPI 62
DB 10 LFCFRGRAGSPHFLQOPEDLVLLGGEARLPCALGAYWGLVQWTKSGALGGQR----- 64
QY 63 ITNDRFTSORYDQGNFTS---EMTIHNVSPSDGNIRCSLQNSRLHG-SAYLTV----- 113
DB 65 ---DLPGMSRYWISGNAANGQHDHLRPELEDEASVYCOATQAGRSRPAQLHLVLPPE 121
QY 114 --QVNGELFIPSNVLVAENEPCEVTCUPSHWTR-LPDISW-ELGLVSHSSY--FVPE 167
DB 122 APQVLGG--PSVSLVA--GVPAULTCRSRGDARPTPELMPRDDVLLDGAITFHQTLLKE 176
QY 168 --PSDLOSASVSIALTTPQSGNGLTCVATWKSILKARKSATVNLVIRCPDPT 216
DB 177 GTPGSVESTLTLPFSHDDGATFVCARSSQALPTGRDTALTLSIQYPPPEVT 227

RESULT 12
US-10-312-528-12
; Sequence 12, Application US/10312528
; Publication No. US20030211517A1
; GENERAL INFORMATION:
; APPLICANT: BIOGEN, INC.
; APPLICANT: CARULLI, JOHN P.
; APPLICANT: LUKASHIN, ALEXANDER V.
; APPLICANT: KILBURN, DANIEL R.
; APPLICANT: SUN, CHAO
; TITLE OF INVENTION: GP354 NUCLEIC ACIDS AND POLYPEPTIDES
; FILE REFERENCE: A097PCT000454-114
; CURRENT APPLICATION NUMBER: US/10/312,528
; CURRENT FILING DATE: 2002-12-23
; PRIOR APPLICATION NUMBER: 60/213,611
; PRIOR FILING DATE: 2000-06-22
; NUMBER OF SEQ ID NOS: 18
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 12
; LENGTH: 594
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-312-528-12

Query Match 6.6%; Score 136; DB 15; Length 594;
Best Local Similarity 23.8%; Pred. No. 0.017;

Matches 55; Conservative 40; Mismatches 106; Indels 30; Gaps 10;
QY 3 LVIFLHSGSGNEVIEGPONATVLKSGQAFNCTVSGQKLIWMLSDWVLSVRPMEPI 62
DB 10 LFCFRGRAGSPHFLQOPEDLVLLGGEARLPCALGAYWGLVQWTKSGALGGQR----- 64
QY 63 ITNDRFTSORYDQGNFTS---EMTIHNVSPSDGNIRCSLQNSRLHG-SAYLTV----- 113
DB 65 ---DLPGMSRYWISGNAANGQHDHLRPELEDEASVYCOATQAGRSRPAQLHLVLPPE 121
QY 114 --QVNGELFIPSNVLVAENEPCEVTCUPSHWTR-LPDISW-ELGLVSHSSY--FVPE 167
DB 122 APQVLGG--PSVSLVA--GVPAULTCRSRGDARPTPELMPRDDVLLDGAITFHQTLLKE 176
QY 168 --PSDLOSASVSIALTTPQSGNGLTCVATWKSILKARKSATVNLVIRCPDPT 216
DB 177 GTPGSVESTLTLPFSHDDGATFVCARSSQALPTGRDTALTLSIQYPPPEVT 227

RESULT 13
US-10-052-586-584
; Sequence 584, Application US/10052586
; Publication No. US20020127584A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Qian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Swatane, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430R1C1
; CURRENT APPLICATION NUMBER: US/10/052,586
; CURRENT FILING DATE: 2002-01-15
; PRIOR APPLICATION NUMBER: 60/059263
; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/059266
; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/062250
; PRIOR FILING DATE: 1997-10-17
; PRIOR APPLICATION NUMBER: 60/063120
; PRIOR FILING DATE: 1997-10-24
; PRIOR APPLICATION NUMBER: 60/063121
; PRIOR FILING DATE: 1997-10-24
; PRIOR APPLICATION NUMBER: 60/063486
; PRIOR FILING DATE: 1997-10-21
; PRIOR APPLICATION NUMBER: 60/063540
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION NUMBER: 60/063541
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION NUMBER: 60/063544
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION NUMBER: 60/063564
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION NUMBER: 60/063734
; PRIOR FILING DATE: 1997-10-29
; PRIOR APPLICATION NUMBER: 60/063870
; PRIOR FILING DATE: 1997-10-31
; PRIOR APPLICATION NUMBER: 60/064103
; PRIOR FILING DATE: 1997-10-31
; PRIOR APPLICATION NUMBER: 60/065311
; PRIOR FILING DATE: 1997-11-13
; PRIOR APPLICATION NUMBER: 60/066120
; PRIOR FILING DATE: 1997-11-21
; PRIOR APPLICATION NUMBER: 60/066466
; PRIOR FILING DATE: 1997-11-24
; PRIOR APPLICATION NUMBER: 60/066772

PRIOR FILING DATE: 1998-06-17
PRIOR APPLICATION NUMBER: 60/089908

Query Match 6.6%; Score 136; DB 13; Length 708;
Best Local Similarity 23.8%; Pred. No. 0.021;
Matches 55; Conservative 40; Mismatches 106; Indels 30; Gaps 10;

QY 3 LVIFLHSGSGNEVIEGPNATVTKGSOARFNCTVSGMKLIMNALSMDVVLVSVMPEPI 62
DB 13 LFCFRGRAGSPHFLQOPEDLVLLGEBARLPCALGAYWGLVQWTKSGLAGGQR----- 67
QY 63 ITNDRFTSORYDOGNFTS---EMIIHNVPSDSGNIRCSLQNSRLHG-SAYLTV----- 113
DB 68 ---DLPGMSRYWISGMNANGOHDLHIRPELEDEASVECOATQAGLRSPQQLHVLVPE 124
QY 114 --QVMGELFIPSVNLVVAENEPCEVTCLPSHWTR-LPDISW-ELGLVSHSSYY--FVPE 167
DB 125 APQVLGG--PSVSLVA--GVPAULTCRSRGDARPTPELIMFRDGVLLDGAFTHQTLKE 179
QY 168 --PSDLQSAVSIILATPQSNGLTLCVATWKSILKARKSATVNLVIRCPQDT 216
DB 180 GTPGSVESTLTLPFSHDDGATFVCRARSQLPTGRDTAITSLOYPEPEVT 230

RESULT 14

US-10-174-590-584
Sequence 584, Application US/10174590
Publication No. US20030008352A1
GENERAL INFORMATION:

APPLICANT: Baker, Kevin P.
APPLICANT: Chen, Jian
APPLICANT: Debnoyers, Luc
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Gurney, Austin L.
APPLICANT: Smith, James
APPLICANT: Smith, Victoria
APPLICANT: Watanabe, Colin K.
APPLICANT: Wood, William I.
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
FILE REFERENCE: P3430R1C42
CURRENT APPLICATION NUMBER: US/10/174,590
PRIORITY FILING DATE: 2002-06-18
Prior application removed - See file wrapper or Palm
NUMBER OF SEQ ID NOS: 612
SEQ ID NO 584
LENGTH: 708
TYPE: PRT
ORGANISM: Homo Sapien
US-10-174-590-584

Query Match 6.6%; Score 136; DB 14; Length 708;
Best Local Similarity 23.8%; Pred. No. 0.021;
Matches 55; Conservative 40; Mismatches 106; Indels 30; Gaps 10;

QY 3 LVIFLHSGSGNEVIEGPNATVTKGSOARFNCTVSGMKLIMNALSMDVVLVSVMPEPI 62
DB 13 LFCFRGRAGSPHFLQOPEDLVLLGEBARLPCALGAYWGLVQWTKSGLAGGQR----- 67
QY 63 ITNDRFTSORYDOGNFTS---EMIIHNVPSDSGNIRCSLQNSRLHG-SAYLTV----- 113
DB 68 ---DLPGMSRYWISGMNANGOHDLHIRPELEDEASVECOATQAGLRSPQQLHVLVPE 124
QY 114 --QVMGELFIPSVNLVVAENEPCEVTCLPSHWTR-LPDISW-ELGLVSHSSYY--FVPE 167
DB 125 APQVLGG--PSVSLVA--GVPAULTCRSRGDARPTPELIMFRDGVLLDGAFTHQTLKE 179
QY 168 --PSDLQSAVSIILATPQSNGLTLCVATWKSILKARKSATVNLVIRCPQDT 216
DB 180 GTPGSVESTLTLPFSHDDGATFVCRARSQLPTGRDTAITSLOYPEPEVT 230

RESULT 15

US-10-176-758-584
Sequence 584, Application US/10176758
Publication No. US20030008353A1
GENERAL INFORMATION:

APPLICANT: Baker, Kevin P.
APPLICANT: Chen, Jian
APPLICANT: Debnoyers, Luc
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Gurney, Austin L.
APPLICANT: Smith, James
APPLICANT: Smith, Victoria
APPLICANT: Watanabe, Colin K.
APPLICANT: Wood, William I.
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
FILE REFERENCE: P3430R1C104
CURRENT APPLICATION NUMBER: US/10/176,758
PRIORITY FILING DATE: 2002-06-21
Prior application removed - See file wrapper or Palm
NUMBER OF SEQ ID NOS: 612
SEQ ID NO 584
LENGTH: 708
TYPE: PRT
ORGANISM: Homo Sapien
US-10-176-758-584

Query Match 6.6%; Score 136; DB 14; Length 708;
Best Local Similarity 23.8%; Pred. No. 0.021;
Matches 55; Conservative 40; Mismatches 106; Indels 30; Gaps 10;

QY 3 LVIFLHSGSGNEVIEGPNATVTKGSOARFNCTVSGMKLIMNALSMDVVLVSVMPEPI 62
DB 13 LFCFRGRAGSPHFLQOPEDLVLLGEBARLPCALGAYWGLVQWTKSGLAGGQR----- 67
QY 63 ITNDRFTSORYDOGNFTS---EMIIHNVPSDSGNIRCSLQNSRLHG-SAYLTV----- 113
DB 68 ---DLPGMSRYWISGMNANGOHDLHIRPELEDEASVECOATQAGLRSPQQLHVLVPE 124
QY 114 --QVMGELFIPSVNLVVAENEPCEVTCLPSHWTR-LPDISW-ELGLVSHSSYY--FVPE 167
DB 125 APQVLGG--PSVSLVA--GVPAULTCRSRGDARPTPELIMFRDGVLLDGAFTHQTLKE 179
QY 168 --PSDLQSAVSIILATPQSNGLTLCVATWKSILKARKSATVNLVIRCPQDT 216
DB 180 GTPGSVESTLTLPFSHDDGATFVCRARSQLPTGRDTAITSLOYPEPEVT 230

Search completed: February 22, 2005, 19:55:31
Job time : 74.4939 secs

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OM protein - protein search, using sw model

Run on: February 22, 2005, 18:19:05 ; Search time 18.8683 Seconds
(without alignment)
1511.316 Million cell updates/sec

Title: US-09-729-264-2

Perfect score: 2059
Sequence: 1 MGVLFLHSGSGNEVIEGP.....HPQASFNLASPEKVSNTTVV 382

Scoring table:

BLOSUM62
Gapop 10.0, Gapext 0.5

Searched: 913545 seqs, 74649064 residues

Total number of hits satisfying chosen parameters: 513545

Minimum DB seq length: 0
Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Issued Patents AA:
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2: /cgn2_6/ptodata/1/1aa/5B.COMB.pep:*
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4: /cgn2_6/ptodata/1/1aa/6B.COMB.pep:*
5: /cgn2_6/ptodata/1/1aa/6C.COMB.pep:*
6: /cgn2_6/ptodata/1/1aa/backfile1.pep:*

Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	147.5	7.2	404	US-09-638-649-3	Sequence 3, Appl1
2	147.5	7.2	404	US-09-949-016-11025	Sequence 11025, A
3	147.5	7.2	404	US-09-638-648-3	Sequence 3, Appl1
4	142	6.9	405	US-08-755-235-4	Sequence 4, Appl1
5	128.5	6.2	1345	US-08-977-767-3	Sequence 3, Appl1
6	128	6.2	1447	US-09-041-886-25	Sequence 25, Appl1
7	128	6.2	1447	PCT-US94-05277-2	Sequence 2, Appl1
8	128	6.2	1953	US-09-917-254-92	Sequence 92, Appl1
9	126.5	6.1	869	US-08-374-834-16	Sequence 16, Appl1
10	126.5	6.1	869	US-08-644-271-29	Sequence 29, Appl1
11	126.5	6.1	869	US-09-077-955-33	Sequence 33, Appl1
12	125.5	6.1	869	US-09-715-249-8	Sequence 8, Appl1
13	124	6.0	1070	US-09-961-403-3	Sequence 3, Appl1
14	123.5	6.0	332	US-09-062-365-1	Sequence 1, Appl1
15	123.5	5.9	340	US-09-651-200-2	Sequence 2, Appl1
16	122.5	5.9	441	US-09-651-200-4	Sequence 4, Appl1
17	122.5	5.9	445	US-09-949-016-6949	Sequence 6949, Ap
18	122.5	5.9	455	US-09-949-016-11026	Sequence 11026, A
19	122	5.9	313	US-09-700-397-4	Sequence 4, Appl1
20	122	5.9	344	US-09-700-397-3	Sequence 3, Appl1
21	121.5	5.9	534	US-09-651-200-6	Sequence 6, Appl1
22	121.5	5.9	534	US-09-651-200-24	Sequence 24, Appl1
23	120	5.8	83	US-09-270-767-37272	Sequence 37272, A
24	120	5.8	83	US-09-270-767-37272	Sequence 37272, A
25	118.5	5.8	318	US-08-633-148-4	Sequence 52489, A
26	118.5	5.8	340	US-08-633-148-2	Sequence 2, Appl1
27	117	5.7	325	US-09-651-200-20	Sequence 20, Appl1

28	116	5.6	4391	4	US-10-006-011A-2	Sequence 2, Appl1
29	114.5	5.6	1461	4	US-09-976-594-531	Sequence 531, App
30	114	5.5	1395	3	US-09-540-245A-15	Sequence 15, Appl1
31	113.5	5.5	416	4	US-09-638-649-1	Sequence 1, Appl1
32	113.5	5.5	416	4	US-08-755-235-2	Sequence 2, Appl1
33	113.5	5.5	416	4	US-09-638-648-1	Sequence 1, Appl1
34	112	5.4	868	1	US-08-374-834-1	Sequence 1, Appl1
35	112	5.4	868	2	US-08-644-271-1	Sequence 1, Appl1
36	112	5.4	868	4	US-09-077-955-1	Sequence 1, Appl1
37	111	5.4	2732	4	US-09-086-436-30	Sequence 30, Appl1
38	110	5.3	689	3	US-09-499-964-1	Sequence 1, Appl1
39	109.5	5.3	316	4	US-09-910-174B-24	Sequence 24, Appl1
40	109.5	5.3	316	4	US-09-620-461-24	Sequence 24, Appl1
41	109.5	5.3	478	5	PCT-US95-08493-15	Sequence 15, Appl1
42	109.5	5.3	860	5	PCT-US95-08493-19	Sequence 19, Appl1
43	109.5	5.3	868	5	PCT-US95-08493-21	Sequence 21, Appl1
44	107.5	5.2	316	4	US-09-397-243D-13	Sequence 13, Appl1
45	107.5	5.2	362	1	US-08-415-751-6	Sequence 6, Appl1

ALIGNMENTS

RESULT 1
US-09-638-649-3
; Sequence 3, Application US/09638649
; Patent No. 6563015
; GENERAL INFORMATION:
; APPLICANT: Stern, David M.
; APPLICANT: Schmidt, Ann Marie
; APPLICANT: Van, Shi Du
; TITLE OF INVENTION: TRANSGENIC MICE OVER-EXPRESSING RECEPTOR FOR ADVANCED
; TITLE OF INVENTION: GLYCATION ENDPRODUCT (RAGE) AND MUTANT APP IN BRAIN AND
; FILE REFERENCE: 0575/62175
; CURRENT APPLICATION NUMBER: US/09/638,649
; CURRENT FILING DATE: 2000-08-14
; NUMBER OF SEQ ID NOS: 10
; SOFTWARE: Patentin Ver. 2.1
; SEQ ID NO 3
; LENGTH: 404
; TYPE: PRT
; ORGANISM: Human
US-09-638-649-3

Query Match 7.2%; Score 147.5; DB 4; Length 404;

Best Local Similarity 22.6%; Pred. No. 8.1e-05;
Matches 85; Conservative 40; Mismatches 114; Indels 137; Gaps 18;

QY	15	EVEBPQNAVTKGQARFNCVSG---	WKLIMALSDMVVLSVRPMPIITNDRTS-	70
DB	125	EIVDASELTA--GVPNKVGTCSGYPAGTLSWHLG-	-----KPLVNEKVASV	173
QY	71	---ORVQGGNFT--SEMIHNVPPSDGNIR----	CSLQSRHLSGAYLTQVWGELEF	120
DB	174	KEQTRRHETGLFTQSELM--VTPARGDPRPFSCSFGSLRRHRLRTAPIQPRW	230	
QY	121	IP---SYNLVAENP-----	CEVTCLPSHWTRLDPDISWELGLVSHSSV	162
DB	231	BEVPLEEVLVY---EPGGAVALPGGTVLTICEVPAQS----	POIHMKD-----	274
QY	163	VYVPEPSDQASVSLTLPQSNGLTGVAAVTKSLKAKKSATVNTVTRCPDGTGGINI	222	
DB	275	GVPLPLPSPVLLPEIGPDQGYSCVATHSHGQPSRAVTSILE-PEEBG----	327	
QY	223	PGVLSLPSLGSFLPTWKGVIGLAGTMLT-----	PTCTLTTRCCCRRCGCNC	275
DB	328	-----PTAGSVGSGIGTIALALGIGCTALLGIVLMQR-----	366	
QY	276	CRCCFCRRKGFRIQFKKSEKEXT--NKETETSGNENSGVNSDQKTTDTASLPPKS	333	
DB	367	-----QRGEERKAPENQEEERAEIN-----	389	

QY 334 CESSDPEQRNNSCGPP 349
 Db 390 -QSEBPBAGSSSTGCP 404

RESULT 2
 US-09-949-016-11025
 ; Sequence 11025, Application US/09949016
 ; Patent No. 6812339
 ; GENERAL INFORMATION:
 ; APPLICANT: VENTER, J. Craig et al.
 ; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
 ; TITLE OF INVENTION: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
 ; FILE REFERENCE: C1001307
 ; CURRENT FILING DATE: 2000-04-14
 ; PRIOR APPLICATION NUMBER: US/09/949,016
 ; PRIOR FILING DATE: 2000-04-14
 ; PRIOR APPLICATION NUMBER: 60/241,755
 ; PRIOR FILING DATE: 2000-10-20
 ; PRIOR APPLICATION NUMBER: 60/237,768
 ; PRIOR FILING DATE: 2000-10-03
 ; PRIOR APPLICATION NUMBER: 60/231,498
 ; NUMBER OF SEQ ID NOS: 207012
 ; SOFTWARE: PASTESEQ for Windows Version 4.0
 ; SEQ ID NO 11025
 ; LENGTH: 404
 ; TYPE: PRT
 ; ORGANISM: Human
 ; US-09-949-016-11025

Query Match
 Best Local Similarity 7.2%; Score 147.5; DB 4; Length 404;
 Matches 85; Conservative 40; Mismatches 114; Indels 137; Gaps 18;

QY 15 EVIEGPONATVTKGSGARFNCTYSOG---WKLIMALSDMVVLSVRMEPIITNDRTS- 70
 Db 125 EIVDSASELTA--GVNKNVGTCTVSEGSYPAGTISWHLDG-----KPLVPEKGVSV 173
 QY 71 ---QRYDQGNFT--SEMIHNVEPDSGNIR-----CSLQNSRLHGSAYLVQVMGELF 120
 Db 174 KQOTRRHETGLFTLOSILM---VTPARGDPRPTFCSPGLPRHRLRTAPIQPRVW 230
 QY 121 IP---SVNLVVAENP-----CEVTCIPSHWTRLPDISWELGLVSHSSY 162
 Db 231 EBPVLEEVQLVV---EPBGAVAPGTVTLTCEVPAOPS-----PQIHMKD----- 274
 QY 163 YFVPEPSDLOSASVIALTPQNSGTLTCVATWKSILKARKSATVNLTVRCPODPTGGINI 222
 Db 275 -GVPLPPLPSPVILPEIGPDQGTYSVCVATHSHGPOSRAVSIISIE-PEEG- 327
 QY 223 PGVLSLPSLGFSLPTMKVGLAGTMLLT-----PTCTLTTRCCCRRCGCCGCC 275
 Db 328 -----PTAGSVGSGGLGTALMAGILGIGTAAALLIGVILMQR----- 366
 QY 276 CRCCFCRRKRGFRIOFKKSEKKT--NKETETESGNENSGVNSDOKTDTTASLPPKS 333
 Db 367 -----QRGEERKAPENQEEBEERAEIN----- 389
 QY 334 CESSDPEQRNNSCGPP 349
 Db 390 -QSEBPBAGSSSTGCP 404

RESULT 3
 US-09-638-648-3
 ; Sequence 3, Application US/09638648
 ; Patent No. 6825164
 ; GENERAL INFORMATION:
 ; APPLICANT: Stern, David M.
 ; APPLICANT: Schmidt, Ann Marie
 ; APPLICANT: Yan, Shi Du
 ; APPLICANT: Zlokovic, Borislav
 ; TITLE OF INVENTION: A METHOD TO INCREASE CEREBRAL BLOOD FLOW IN AMYLOID

; TITLE OF INVENTION: ANGIOPATHY
 ; FILE REFERENCE: 0575/62097
 ; CURRENT APPLICATION NUMBER: US/09/638,648
 ; CURRENT FILING DATE: 2000-08-14
 ; NUMBER OF SEQ ID NOS: 6
 ; SOFTWARE: PatentIn Ver. 2.1
 ; SEQ ID NO 3
 ; LENGTH: 404
 ; TYPE: PRT
 ; ORGANISM: Human
 ; US-09-638-648-3

Query Match
 Best Local Similarity 7.2%; Score 147.5; DB 4; Length 404;
 Matches 85; Conservative 40; Mismatches 114; Indels 137; Gaps 18;

QY 15 EVIEGPONATVTKGSGARFNCTYSOG---WKLIMALSDMVVLSVRMEPIITNDRTS- 70
 Db 125 EIVDSASELTA--GVNKNVGTCTVSEGSYPAGTISWHLDG-----KPLVPEKGVSV 173
 QY 71 ---QRYDQGNFT--SEMIHNVEPDSGNIR-----CSLQNSRLHGSAYLVQVMGELF 120
 Db 174 KQOTRRHETGLFTLOSILM---VTPARGDPRPTFCSPGLPRHRLRTAPIQPRVW 230
 QY 121 IP---SVNLVVAENP-----CEVTCIPSHWTRLPDISWELGLVSHSSY 162
 Db 231 EBPVLEEVQLVV---EPBGAVAPGTVTLTCEVPAOPS-----PQIHMKD----- 274
 QY 163 YFVPEPSDLOSASVIALTPQNSGTLTCVATWKSILKARKSATVNLTVRCPODPTGGINI 222
 Db 275 -GVPLPPLPSPVILPEIGPDQGTYSVCVATHSHGPOSRAVSIISIE-PEEG- 327
 QY 223 PGVLSLPSLGFSLPTMKVGLAGTMLLT-----PTCTLTTRCCCRRCGCCGCC 275
 Db 328 -----PTAGSVGSGGLGTALMAGILGIGTAAALLIGVILMQR----- 366
 QY 276 CRCCFCRRKRGFRIOFKKSEKKT--NKETETESGNENSGVNSDOKTDTTASLPPKS 333
 Db 367 -----QRGEERKAPENQEEBEERAEIN----- 389
 QY 334 CESSDPEQRNNSCGPP 349
 Db 390 -QSEBPBAGSSSTGCP 404

RESULT 4
 US-08-755-235-4
 ; Sequence 4, Application US/08755235
 ; Patent No. 6790443
 ; GENERAL INFORMATION:
 ; APPLICANT: Stern, David M.
 ; APPLICANT: Schmidt, Ann Marie
 ; APPLICANT: Wu, Jun
 ; TITLE OF INVENTION: METHOD FOR TREATING SYMPTOMS OF DIABETES
 ; FILE REFERENCE: 0575/50159
 ; CURRENT APPLICATION NUMBER: US/08/755,235
 ; CURRENT FILING DATE: 1996-11-22
 ; NUMBER OF SEQ ID NOS: 4
 ; SOFTWARE: PatentIn version 3.1
 ; SEQ ID NO 4
 ; LENGTH: 405
 ; TYPE: PRT
 ; ORGANISM: Human
 ; US-08-755-235-4

Query Match
 Best Local Similarity 6.9%; Score 142; DB 4; Length 405;
 Matches 86; Conservative 40; Mismatches 113; Indels 138; Gaps 19;

QY 15 EVIEGPONATVTKGSGARFNCTYSOG---WKLIMALSDMVVLSVRMEPIITNDRTS- 70
 Db 125 EIVDSASELTA--GVNKNVGTCTVSEGSYPAGTISWHLDG-----KPLVPEKGVSV 173

QY 71 ----ORVDOGNET--SEMIINNVSPDSGNIR-----CSLQNSRLHGSAYLTVQVWGELEF 120
Db 174 KQOTRHPETGLFTLOSELMT---VTPARGDPRPTFSCSPGELPHRLRLTAIPQPRVW 230
QY 121 IF-----SVNLVVAENEP-----CEVTLPSHMTWRLPDISMELGLVSHSSY 162
Db 231 EAVPLEEVOYLV---EPREGAVAPGGTVLTICEVPAPPS-----PQIHMKD----- 274
QY 163 YVPEPSPDQASVSLIATPQSNGLTTCVATWKSLSKARKS-ATVNLTVIRCPDPTGGGIN 221
Db 275 -GVPLPLPPSPVLIILPEIGPODQTVSCVATHSHGPOSSRAVVSISILE-PGEEG----- 328
QY 222 IGVLSLSLPSLSPSLPTWKGVLGLAGTMLLT-----PTCTLTIRCCCCRRRCGCCNC 274
Db 329 -----PTAGSVGSGSLGTALALGLIGLGTALALGLVILMQR----- 367
QY 275 CCRCCFCCKRRKGRFRIQFKKSEKEXT--NKETETESGNGNSGYNDEQKTTDTASLPK 332
Db 366 -----QRGEERKAPENQEEERARLN----- 390
QY 333 SCESSDPQRNNGCCPP 349
Db 391 --QSEPEPAGESSTGSP 405

RESULT 5
US-08-977-767-3
Sequence 3, Application US/08977767
Patent No. 5972684
GENERAL INFORMATION:
APPLICANT: Bandman, Olga
APPLICANT: yue, Henry
APPLICANT: Greenwald, Sara
APPLICANT: Corley, Neil C.
TITLE OF INVENTION: CARBONIC ANHYDRASE VIII
NUMBER OF SEQUENCES: 3
CORRESPONDENCE ADDRESS:
ADDRESSEE: Incyte Pharmaceuticals, Inc.
STREET: 3174 Porter Drive
CITY: Palo Alto
STATE: CA
COUNTRY: USA
ZIP: 94304
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: FastSeq for Windows Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/977,767
FILING DATE: Herewith
CLASSIFICATION: 424
PRIOR APPLICATION DATA:
APPLICATION NUMBER:
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: Billings, Lucy J.
REGISTRATION NUMBER: 36,749
REFERENCE/DOCKET NUMBER: PF-0423 US
TELECOMMUNICATION INFORMATION:
TELEPHONE: 650-855-0555
TELEFAX: 650-845-4166
TELEX:
INFORMATION FOR SEQ ID NO: 3:
SEQUENCE CHARACTERISTICS:
LENGTH: 1345 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
IMMEDIATE SOURCE:
LIBRARY: GenBank
CLONE: 1532042
US-08-977-767-3

Query Match 6.2%; Score 128.5; DB 2; Length 1345;
Best Local Similarity 33.0%; Pred. No. 0.021;
Matches 37; Conservative 1; Mismatches 41; Indels 33; Gaps 5;
QY 186 GLTCTVATWKSLSKARKSATVNLTVIRCPDPTGGI-----NIPGVLSLSLPSLSPSLPTWCK 241
Db 414 GTCTCTGT-----GC-CGTGGGAAGCTCAGAGCCCCGTGATGTGA 455
QY 242 VGLAGTMLLT-PTCTLTIRCCCCRRRCGCCNC-----CFCC 282
Db 456 CGTGAAGAGGCTCTCTATGACCCCTCTGAGACTGAGCACC 507

RESULT 6
US-09-041-886-25
Sequence 25, Application US/09041886
Patent No. 6235872
GENERAL INFORMATION:
APPLICANT: Bredeeen, Dale E.
APPLICANT: Rabinaden, Shantoz
TITLE OF INVENTION: Proapoptotic Peptides, Dependence
TITLE OF INVENTION: Polypeptides and Methods of Use
NUMBER OF SEQUENCES: 72
CORRESPONDENCE ADDRESS:
ADDRESSEE: Campbell & Flores LLP
STREET: 4370 La Jolla Village Drive, Suite 700
CITY: San Diego
STATE: California
COUNTRY: United States
ZIP: 92122
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/041,886
FILING DATE:
CLASSIFICATION:
ATTORNEY/AGENT INFORMATION:
NAME: Campbell, Cathryn A.
REGISTRATION NUMBER: 31,815
REFERENCE/DOCKET NUMBER: P-LJ 2626
TELECOMMUNICATION INFORMATION:
TELEPHONE: (619) 535-9001
TELEFAX: (619) 535-8949
INFORMATION FOR SEQ ID NO: 25:
SEQUENCE CHARACTERISTICS:
LENGTH: 1447 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-09-041-886-25

Query Match 6.2%; Score 128; DB 3; Length 1447;

Best Local Similarity 24.8%; Pred. No. 0.026;
Matches 60; Conservative 33; Mismatches 99; Indels 50; Gaps 10;

QY 10 SSGNEV-----IEPONATVLKGSQARFNCTVSGW--KLIMNALSMD 51
Db 220 SKTGNBAEVRILSDGLRQLYFLORPSNVVAIEKDAVLECCVS-GYPPSPFTMLRGE 278
QY 52 VVLSVPEPEPITNDRTFSQRYDQGNFTSEMIINNVSPDSGNIR-C-SLQNSRLHGA 109
Db 279 VI-----QLRSKKSILGG--SNLLISNVTDDSGMTCVVTYNGENISASA 323
QY 110 YLTQVWGELEFIPSVNLVVAENEPCEVTCLPBHWRLPDISM-ELGLVSHSSYFVPEP 168
Db 324 ELTVLVPPMFLNHPNLSLAYESMDIEPECTVS-GKVPVVMNMKNQGDVIVPSDYFOIVGG 382
QY 169 SDQGAVALIATLPQSNGLTTCVATWKSLSKARKSATVNLTVIRCPDPTGGGINIPGVLS 228

Db 383 SNLR-----ILGVKSDGFGYQVAVENAGNAQTSQALIVPKPAIPSSS-----VLPS 430
QY 229 LP 230
Db 431 AP 432

RESULT 7

PCT-US94-05277-2
; Sequence 2, Application PC/TUS9405277
; GENERAL INFORMATION:
; APPLICANT: Bruskin, Arthur
; APPLICANT: Jaresz, David E.
; APPLICANT: Johnson, Karen
; APPLICANT: Kinzler, Kenneth W.
; APPLICANT: Vogelstein, Bert
; APPLICANT: Zdzienicka, James R.
; TITLE OF INVENTION: Antibodies Specific for DCC Gene Product
; NUMBER OF SEQUENCES: 2
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Banner, Birch, McKie & Beckett
; STREET: 1001 G Street, N.W.
; CITY: Washington
; STATE: D.C.
; COUNTRY: USA
; ZIP: 20001
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: PCT/US94/05277
; FILING DATE:
; CLASSIFICATION:
; ATTORNEY/AGENT INFORMATION:
; NAME: Kagan, Sarah A.
; REGISTRATION NUMBER: 32,141
; REFERENCE/DOCKET NUMBER: 01107.42709
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 202.508.9100
; TELEFAX: 202.508.9299
; TELEX: 197430 BBMB UT
; INFORMATION FOR SEQ ID NO: 2:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1447 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULAR TYPE: protein
; PCT-US94-05277-2

Query Match 6.2%; Score 128; DB 5; Length 1447;
Best Local Similarity 24.8%; Pred. No. 0.026;
Matches 60; Conservative 33; Mismatches 99; Indels 50; Gaps 10;

QY 10 SGGSEV-----IEGPNATVLKSGQARFNCYTSQGM--KLIMWALSDM 51
Db 220 SRTGNEAVRILSDPGLRQLYPLQRPNSVVAIGKQAVLECCVS--GYPPPSFTWLRGE 278
QY 52 VLVSVRMEPIITNDRTFSORYDOGNFTSEMTIHNVPESDGNIRC--SIQNSRLHSGA 109
Db 279 VI-----QLSKRKYSLLG--SNLLISNVTDDSGMYTCVVTYYKNENISASA 323
QY 110 VLVTVQVNGELFIPSVNLVVAENEPCEVTCLEPSHWTRLPDISW--ELGLVSHSSYYVPEP 168
Db 324 ELTVLVPPWFLNHSNLYAVESMDIEPECTVS--GKVPVIVNMKNQDVVIPSDFQIVG 382
QY 169 SDLOSASVILATLQSGNLTLCVATWKSILKARKSATVNLVTRCPDGTGGGINIPGLVSS 228
Db 383 SNLR-----ILGVKSDGFGYQVAVENAGNAQTSQALIVPKPAIPSSS-----VLPS 430
QY 229 LP 230

Db 431 AP 432

RESULT 8

US-09-917-254-92
; Sequence 92, Application US/09917254
; Patent No. 6703204
; GENERAL INFORMATION:
; APPLICANT: Muller, George
; APPLICANT: Baak, Jan
; TITLE OF INVENTION: Prognostic Classification of Breast Cancer
; FILE REFERENCE: B0801/7224 (JPV)
; CURRENT APPLICATION NUMBER: US/09/917,254
; PRIOR FILING DATE: 2001-07-27
; PRIOR APPLICATION NUMBER: US 60/222,093
; NUMBER OF SEQ ID NOS: 102
; SOFTWARE: Patent version 3.0
; SEQ ID NO 92
; LENGTH: 1953
; TYPE: PRT
; ORGANISM: Homo Sapiens
US-09-917-254-92

Query Match 6.2%; Score 128; DB 4; Length 1953;
Best Local Similarity 20.3%; Pred. No. 0.039;
Matches 86; Conservative 58; Mismatches 149; Indels 130; Gaps 19;

QY 20 PGNATVLKSGQARFNCYTSQGM--KLIMWALSDMVLVSRPMEPIITNDRTFSORYDOGG 77
Db 78 PNLCTIKEGATVAFEGRV--RGYPEPQVTH-----RNGQPIITSGRFL--LDGCI 124
QY 78 NPTSEMIHNVPEPSDGNIRCSLQNSRLHSGAVLTQV-----MGEL 119
Db 125 RGTFLVIAHNVHEDGKTTCEATNG--SGAQVTELVESGFAKQOGPVVSKTLGDR 182
QY 120 FI-----PSV-----NLVVAENE--PCEVTCLEPSHWTRLPDISWELG- 154
Db 183 FSASAVETRPISWGECPKFKATKLGRVVVKEGQMRFSCKITGRQ-----PQVTKLGN 237
QY 155 LTVSHSSYYFVEPESDLSAVSILATLQSGNLTLCVATWKSILKARKSA-----TVN 206
Db 238 VPLQPSARVSVSEKNGMQ-VLEIHGVNODDVGYTCLVNVSGAASMAELSIQGLDSAN 296
QY 207 LVIVRCPDPTGGI-----NIPGVLSLPSLGSFLPTWKGVLGLAGTMLTPTCTLTIR 261
Db 297 RSFVRETATNSDVAKVETNVISKESKLDL----- 327
QY 262 CCCRRRCOCGNC--CCRCRCRRGRRIQKSEKTKETTESGNE--SGVNS 318
Db 328 -----EAAKSKNCSSPQRGSPPMVANSQPP--RESKLESCKDSPRTAPQTP 375
QY 319 DEQKTTDASLPKSCSSDPEQNNSSCGPHGRADQ-----PPRASHPOASFNLASPE 374
Db 376 VLQKTSSTITLQAARVQ---PEPRAPGLVLSPSGEBKRPAPRPRTFTTROPGLASOD 432
QY 375 KVS 377
Db 433 VVS 435

RESULT 9

US-08-374-834-16
; Sequence 16, Application US/08374834
; Patent No. 5656473
; GENERAL INFORMATION:
; APPLICANT: Valenzuela, et al.
; TITLE OF INVENTION: NOVEL TYROSINE KINASE RECEPTOR
; NUMBER OF SEQUENCES: 17
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Regeneron Pharmaceuticals, Inc.
; STREET: 777 Old Saw Mill River Road
; CITY: Tarrytown

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STATE: New York
COUNTRY: USA
ZIP: 10591
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Releasee #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/374,834
FILING DATE: 19-JAN-1995
CLASSIFICATION: 435
PRIORITY APPLICATION DATA:
APPLICATION NUMBER: US 08/095,658
FILING DATE: 21-JUL-1993
ATTORNEY/AGENT INFORMATION:
NAME: Cobert, Robert J.
REGISTRATION NUMBER: 36,108
REFERENCE/DOCKET NUMBER: REG 190A
TELECOMMUNICATION INFORMATION:
TELEPHONE: (914) 345-7400
TELEFAX: (914) 345-7721
INFORMATION FOR SEQ ID NO: 16:
SEQUENCE CHARACTERISTICS:
LENGTH: 869 amino acids
TYPE: amino acid
STRANDEDNESS:
TOPOLOGY: unknown
MOLECULE TYPE: protein
US-08-374-834-16

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Query Match      6.1%; Score 126.5; DB 1; Length 869;
Best Local Similarity 20.9%; Pred. No. 0.017;
Matches 86; Conservative 51; Mismatches 176; Indels 99; Gaps 19;

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15 EVIEGPNATVLKSGQARFNCCTVSGQWK-LIMMALSDMVVLVSRPMEPIITDRFTSQRY 73
122 KITRPINVKIIEGLKAVLPCTTMGNPKPSVSMIKGD-----SPLRENSRIAVLE- 171
74 DOGNGFTSEMIHNVPSDSGNIRCSLONSRLHGSAY-LTVQVMBELFIPSVNLVVAENE 132
172 -----SGSLRIHNVQKEDAGQYRCVAKNSL--GTAYSKVKLEVEVFARILRAPESHNV 223
133 P-----CEVTCLEPSHMTLRLPDISW-ELGILLVSHSSYFVPEBPDLOSANSIALLTQ 183
224 TEGSFVTLHCTATGIP-----VPTITWINGNAVSSGSIQESVKDKORVIDSRLOLFTTKP- 277
184 SNGTLTCVAT-----WKSARKSATVNLTVIRCPDPTGGG-----INIPGVLSLP 230
278 --GLYTICLINTNGKEKFTAKAAATISIAEMSKPKQDNKGCAQYRGVCMNAVLAADALV 335
231 SLGFSL-----PTWGRVGLAGTMLLPPTCTLTIRCCCRRCGCCN----- 273
336 PLNTSYADDEBAQELLVHTAMNEL-----KVSPVCRPAABALLCNHIFQECSPGVVP 388
274 ----CCCRCC-----FCRRRKGGRFRIQOKSEKSEKTKNETETBSGNSGNSGNSPEQKT 323
389 TPPICREYCLAVKELFCAKE-----WLVMEKTHRGVLRSEMHLLSVPECSKLPSPHMDP 444
324 TDTASLPKSCSSDPEQRNSSCGPHQRADQP-----PRPASHPOASEFNLA 371
445 TACARLP-----HLDYNKENLKTFFP--MTSSKPSVDIPLNLSSSSSSSSFSVS 489

```

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RESULT 10
US-08-644-271-29
Sequence 29, Application US/08644271
Patent No. 5814478
GENERAL INFORMATION:
APPLICANT: Valenzuela, et al.
TITLE OF INVENTION: NOVEL TYROSINE KINASE RECEPTORS
TITLE OF INVENTION: AND LIGANDS
NUMBER OF SEQUENCES: 32

```

```

CORRESPONDENCE ADDRESS:
ADDRESSEE: Regeneron Pharmaceuticals, Inc.
STREET: 777 Old Saw Mill Road
CITY: Tarrytown
STATE: NY
COUNTRY: USA
ZIP: 10591
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: FastSeq Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/644,271
FILING DATE: 10-MAY-1996
CLASSIFICATION: 435
PRIORITY APPLICATION DATA:
APPLICATION NUMBER: USN 60/008,657
FILING DATE: 15-DEC-1995
ATTORNEY/AGENT INFORMATION:
NAME: Cobert, Robert J.
REGISTRATION NUMBER: 36,108
REFERENCE/DOCKET NUMBER: REG 195A
TELECOMMUNICATION INFORMATION:
TELEPHONE: 914-345-7400
TELEFAX: 914-345-7721
TELEX:
INFORMATION FOR SEQ ID NO: 29:
SEQUENCE CHARACTERISTICS:
LENGTH: 869 amino acids
TYPE: amino acid
STRANDEDNESS:
TOPOLOGY: unknown
MOLECULE TYPE: protein
US-08-644-271-29

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Query Match      6.1%; Score 126.5; DB 2; Length 869;
Best Local Similarity 20.9%; Pred. No. 0.017;
Matches 86; Conservative 51; Mismatches 176; Indels 99; Gaps 19;

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15 EVIEGPNATVLKSGQARFNCCTVSGQWK-LIMMALSDMVVLVSRPMEPIITDRFTSQRY 73
122 KITRPINVKIIEGLKAVLPCTTMGNPKPSVSMIKGD-----SPLRENSRIAVLE- 171
74 DOGNGFTSEMIHNVPSDSGNIRCSLONSRLHGSAY-LTVQVMBELFIPSVNLVVAENE 132
172 -----SGSLRIHNVQKEDAGQYRCVAKNSL--GTAYSKVKLEVEVFARILRAPESHNV 223
133 P-----CEVTCLEPSHMTLRLPDISW-ELGILLVSHSSYFVPEBPDLOSANSIALLTQ 183
224 TEGSFVTLHCTATGIP-----VPTITWINGNAVSSGSIQESVKDKORVIDSRLOLFTTKP- 277
184 SNGTLTCVAT-----WKSARKSATVNLTVIRCPDPTGGG-----INIPGVLSLP 230
278 --GLYTICLINTNGKEKFTAKAAATISIAEMSKPKQDNKGCAQYRGVCMNAVLAADALV 335
231 SLGFSL-----PTWGRVGLAGTMLLPPTCTLTIRCCCRRCGCCN----- 273
336 PLNTSYADDEBAQELLVHTAMNEL-----KVSPVCRPAABALLCNHIFQECSPGVVP 388
274 ----CCCRCC-----FCRRRKGGRFRIQOKSEKSEKTKNETETBSGNSGNSGNSPEQKT 323
389 TPPICREYCLAVKELFCAKE-----WLVMEKTHRGVLRSEMHLLSVPECSKLPSPHMDP 444
324 TDTASLPKSCSSDPEQRNSSCGPHQRADQP-----PRPASHPOASEFNLA 371
445 TACARLP-----HLDYNKENLKTFFP--MTSSKPSVDIPLNLSSSSSSSSFSVS 489

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RESULT 11
US-09-077-955-33
Sequence 33, Application US/09077955A
Patent No. 6413740

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; GENERAL INFORMATION:
; APPLICANT: Valenzuela et al., David M.
; TITLE OF INVENTION: NOVEL TYROSINE KINASE RECEPTORS AND LIGANDS
; FILE REFERENCE: REG195-B-PCT-US
; CURRENT APPLICATION NUMBER: US/09/077,955A
; EARLIER FILING DATE: 1998-09-10
; EARLIER APPLICATION NUMBER: PCT/US96/20696
; EARLIER FILING DATE: 1996-12-13
; EARLIER APPLICATION NUMBER: 08/644,271
; EARLIER FILING DATE: 1996-05-10
; EARLIER APPLICATION NUMBER: 60/008,657
; NUMBER OF SEQ ID NOS: 36
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 33
; LENGTH: 869
; TYPE: PRT
; ORGANISM: Homo sapiens
; US-09-077-955-33

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Query Match      6.1%; Score 126.5; DB 4; Length 869;
Best Local Similarity 20.9%; Pred. No. 0.017;
Matches 86; Conservative 51; Mismatches 176; Indels 99; Gaps 19;

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QY 15 EVIEGPNATVTKSQARFNCCTVSQGMK-LIMWALSDMVVLSVRPMEPIITNDRFISQRY 73
DB 122 KITRPINVKIIEGKAVLPCTMGNPKPSVSWIKGD-----SPLRENSRIAVLE- 171
QY 74 DQGNFTSEMIITHNVEPSDSGNIRCSLONSRILHGSAY-LTVQVMGELFIPSVNLVAENE 132
DB 172 -----SGSLRIHVQKEDAGQYRCVAKNSL--GTAVSKYVKLEFEVFAIRILRAPESHNV 223
QY 133 P-----CEVTLPSHMTRLPDISW-ELGLVSHSSYFVPEPSDLOSASVIALTTQ 183
DB 224 TFGSFVTLHCTATGIP-----VPTITWIEGNNAVSSGSIQESVKDVIDSRLOLFTTKP- 277
QY 184 SNGTLTCVAT-----WKSILKARKSATVNLTVIRCPDPTGGG-----INIPCVLSLIP 230
DB 278 --GLYTCAITNKGEKFKSTAKAATISIAEWSKPOKONKGYCAQYRGVCNVLAKDLV 335
QY 231 SLGSL-----PWGAVYGLAGLMTLTPCTLTTRCCCRRCGCGCN----- 273
DB 336 FLWTSYADPEAOELLVHTAMNEL-----KVSPVPCRAEALLCNHIIPECCSPGVVP 388
QY 274 -----CCCRCC-----FCCRRKRGPRIQOKSEKKEKNTKETETESGNENSGYNSDEQKT 323
DB 389 TPIPCREYCLAVKELFCAKE-----WLVMEKTHRGLYRSEMHLLSVPECSKLPSEMHWDP 444
QY 324 TDFAISPPKSCSSDPEQNSSCGPPHORADQP-----PRPASHPQASFNLA 371
DB 445 TACARLP-----HLDYKNKENLKTFRP--MTSEKSPVDIPNLPSSSSSSFSVS 489

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RESULT 12
; US-09-715-249-8
; Sequence 8, Application US/09715249
; Patent No. 6780614
; GENERAL INFORMATION:
; APPLICANT: NOVARTIS AG
; APPLICANT: VERES, GABOR
; APPLICANT: PIPPIG, SUSANNE
; TITLE OF INVENTION: selectable cell surface marker genes
; FILE REFERENCE: 4-31192
; CURRENT APPLICATION NUMBER: US/09/715,249
; PRIOR FILING DATE: 2000-11-17
; PRIOR APPLICATION NUMBER: us 60/166594
; PRIOR FILING DATE: 1999-11-19
; PRIOR APPLICATION NUMBER: us 09/539248
; NUMBER OF SEQ ID NOS: 2000-03-30
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 8
; LENGTH: 869

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; TYPE: PRT
; ORGANISM: MUSK
; US-09-715-249-8

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Query Match      6.1%; Score 125.5; DB 4; Length 869;
Best Local Similarity 24.5%; Pred. No. 0.021;
Matches 54; Conservative 32; Mismatches 93; Indels 41; Gaps 10;

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QY 15 EVIEGPNATVTKSQARFNCCTVSQGMK-LIMWALSDMVVLSVRPMEPIITNDRFISQRY 73
DB 122 KITRPINVKIIEGKAVLPCTMGNPKPSVSWIKGD-----SPLRENSRIAVLE- 171
QY 74 DQGNFTSEMIITHNVEPSDSGNIRCSLONSRILHGSAY-LTVQVMGELFIPSVNLVAENE 132
DB 172 -----SGSLRIHVQKEDAGQYRCVAKNSL--GTAVSKYVKLEFEVFAIRILRAPESHNV 223
QY 133 P-----CEVTLPSHMTRLPDISW-ELGLVSHSSYFVPEPSDLOSASVIALTTQ 183
DB 224 TFGSFVTLHCTATGIP-----VPTITWIEGNNAVSSGSIQESVKDVIDSRLOLFTTKP- 277
QY 184 SNGTLTCVAT-----WKSILKARKSATVNLTVIRCPDPTGGG 219
DB 278 --GLYTCAITNKGEKFKSTAKAATISIAEWSKPOKONK 315

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RESULT 13
; US-09-961-403-3
; Sequence 3, Application US/09961403
; Patent No. 6780594
; GENERAL INFORMATION:
; APPLICANT: HE-STUMP, HOLGER
; APPLICANT: HANDELER, BERNARD
; APPLICANT: KRAETZSCHMAR, JOERN
; APPLICANT: KREFT, BERTHOLT
; APPLICANT: WINTERHAGER, ELKE
; APPLICANT: REGIDOR, PEDRO
; APPLICANT: SCOTTI, SIMONE
; TITLE OF INVENTION: METHOD FOR IN VITRO DIAGNOSIS OF ENDOMETRIOSIS
; FILE REFERENCE: SCH-1789
; CURRENT APPLICATION NUMBER: US/09/961,403
; NUMBER OF SEQ ID NOS: 2001-09-25
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 3
; LENGTH: 1070
; TYPE: PRT
; ORGANISM: Homo sapiens
; US-09-961-403-3

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Query Match      6.0%; Score 124; DB 4; Length 1070;
Best Local Similarity 25.3%; Pred. No. 0.038;
Matches 58; Conservative 32; Mismatches 103; Indels 36; Gaps 10;

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QY 16 VIEGPNATVTKSQARFNCCTVS-QGWKLIMWALSDMVVLSVRPMEPIITNDRFISGRYD 74
DB 227 VTLAPQDVVARYEBAMFHCOFSAQPPPSIQWLFEDPTPTNNSRRPHLARATVFA----- 282
QY 75 QGNFTSEMIITHNVEPSDSGNIRCSLONSR-----LHGSAYLTVQVMGELFIPSVNLVA 129
DB 283 -----NSGSLITQYRPNAGIYRCIGQGQGPPIIEATLHLEIRDMPLFEPRVFTAGS 337
QY 130 ENEBCEVTCLEPSHMTRLPDISW-LGL-LVSHSSYFVPEPSDLOSASVIALTTPOSN-G 186
DB 338 EE---RYTCLPPEKGLPEPSVWMEHAGVRLPTHORY-----QKHELVLANIASDAG 387
QY 187 TLTCVATMKSLKARKSATVNLTV-----IRCPDPTGGGINIPGVLSL 229
DB 388 VYTCMA--NLAQGRQDVNITVATVPWSLKKFQDSQLEBCKRGYDCL 434

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RESULT 14
; US-09-062-365-1
; Sequence 1, Application US/09062365

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Patent No. 6465422
GENERAL INFORMATION:
APPLICANT: Schmidt, Ann Marie
APPLICANT: Steirn, David
TITLE OF INVENTION: METHOD FOR INHIBITING TUMOR INVASION OR SPREADING IN A
FILE REFERENCE: 55424
CURRENT APPLICATION NUMBER: US/09/062,365
CURRENT FILING DATE: 1998-04-17
NUMBER OF SEQ ID NOS: 6
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 1
LENGTH: 332
TYPE: PRT
ORGANISM: Human
US-09-062-365-1

Query Match 6.0%; Score 123.5; DB 4; Length 332;
Best Local Similarity 24.1%; Pred. No. 0.0085;
Matches 65; Conservative 33; Mismatches 89; Indels 83; Gaps 14;

QY 15 EVIEGPNATVLSGQARFNCTVSOG---WKLIMALSDMWVLSVRPMEPIITNDRFTS- 70
DB 103 EIVDSASELTA--GVPNKQGTCSSEGSYPAGTSLSMHLDG-----KPLVNEKGVSV 151
QY 71 ---QRYDQGNFT--SEMIHNVPSDSGNIR---CSLQNSRLHGSATVLTQVMGELF 120
DB 152 KEQTRHHPETGLFTLQSELM---VTPARGGDPRPTSCSPSLPHRRALRTAPIPRW 208
QY 121 IP---SVNLVVAENP-----CEVTCLPSHWTLPLDISWELGLVSHSV 162
DB 209 EPIPLEEVQLV--EPEGAVAPGCTVTLTCEVPAPPS-----POLHMKD----- 252
QY 163 YFVPEPSDLSQAVSILATPOSNGTLTCAATWKSILKARKSATVNLTVIRCPDPTGGGINI 222
DB 253 -GVPLPLPSPVLLPEIGPDQGTYSVATHSHGQESRAVSITIE-PGEEG----- 305
QY 223 PGVLSLPSLGSFLPTWGVKVGGLAGTMLL 252
DB 306 -----PTAGSVGSGSLGTLLAL 321

RESULT 15

US-09-651-200-2
Sequence 2, Application US/09651200
Patent No. 6429303
GENERAL INFORMATION:
APPLICANT: Green et al
TITLE OF INVENTION: Polynucleotides Encoding Members of the Human B
TITLE OF INVENTION: Lymphocyte Activation Antigen B-7 Family and
FILE REFERENCE: 15966-562 (CURA-62)
CURRENT APPLICATION NUMBER: US/09/651,200
CURRENT FILING DATE: 2000-08-30
PRIOR APPLICATION NUMBER: 60/152383
PRIOR FILING DATE: 1998-09-03
PRIOR APPLICATION NUMBER: 60/172909
PRIOR FILING DATE: 1999-12-21
PRIOR APPLICATION NUMBER: 60/183578
PRIOR FILING DATE: 2000-02-18
NUMBER OF SEQ ID NOS: 25
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 2
LENGTH: 340
TYPE: PRT
ORGANISM: Homo sapiens
US-09-651-200-2

Query Match 5.9%; Score 122.5; DB 4; Length 340;
Best Local Similarity 21.2%; Pred. No. 0.011;
Matches 77; Conservative 50; Mismatches 128; Indels 109; Gaps 17;

QY 10 SSGSGNEVIEGPNATV-LKSGQARFNCTVS--QGWKL-----IMWALSDMWVLSVRPMEPI 62

DB 48 SPFGAVEVQPEDPVVALVGTDTATHCSFSPERGSFLQNLIMQUTDTRQV----- 100
QY 63 ITNDRFTSQRYDQGNF-----TSEMIHNVPSDSGNIRCSLQNSRLHGS 108
DB 101 ---HSFTGR-DQGSAYANRTALFPDLLAQNASLRLQVRVADEGSFTCFV-SIRDFGS 155
QY 109 AYLTVQVMGELTIPSNNLV---VAENPCVTCPLSHWTRLP--DISWELG---LVSH 159
DB 156 AAVSLQVAPYKSPSTLEPNKDLRPGDVTITC--SSYRGYPBAEVFQDGGVPLTGN 213
QY 160 SSYFVPEPSDLSQAVSILATPOSNGTLTCAATWKSILKARKSATVNLTVIRCP---OPT 216
DB 214 VITSQANEGCLFDVHSLRVVLGANGTISC-----LVANPVUQDA 255
QY 217 GGGINIPGVLSLPSLGSFLPTWGVKVGGLAGTMLLTPTCTVLTIRCCCRRCGCCGCC 276
DB 256 HGSVTLTGQPMTEFPEAL---WVTGLSVCLIALLV----- 288
QY 277 RCFCCRRKRRRIQFQKSEKTKTETESGNGNSGYNDEQKTTTASLPKSCS 336
DB 289 ALAFVCMRK-----IKQSCBENAGADQD-----EGGSXTALQPLKHS 331
QY 337 SDPE 340
DB 332 KEDD 335

Search completed: February 22, 2005, 19:36:00
Job time : 20.8683 secs

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Query Match	3.8%	Score 44.8	DB 4	length 253
Best Local Similarity	81.2%	Pred. No. 0.0028		
Matches	52	Conservative	0	Mismatches 12; Indels 0; Gaps 0
QY	801	GCTGTGCTGCTGCGCCGCTGCTGTTGTGCTGCACTGCTGTCGCGCTGTTGTTCT		860
DB	158	GCTGTGCTGCTGCTGCTGTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT		99
QY	861	GCTG 864		
DB	98	GCTG 95		

RESULT 10

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RESULT 12
US-09-491-356C-17/C
; Sequence 17, Application US/09491356C
; Patent No. 6566061
;
GENERAL INFORMATION:
;
APPLICANT: Philibert, Robert A.
;
APPLICANT: Gibbs, Edward I.
;
APPLICANT: Delisi, Lynn
;
TITLE OF INVENTION: IDENTIFICATION OF POLYMORPHISMS IN THE PCNG4 REGION OF XQ13
;
FILE REFERENCE: 9465.6US11
;
CURRENT APPLICATION NUMBER: US/09/491.356C
;
CURRENT FILING DATE: 2000-01-26
;
PRIOR APPLICATION NUMBER: PCT/US99/09365
;
PRIOR FILING DATE: 1999-04-29
;
PRIOR APPLICATION NUMBER: 60/083,465
;
NUMBER OF SEQ ID NOS: 24
;
SOFTWARE: PatentIn version 3.1
;
SEQ ID NO 17
;
LENGTH: 265
;
TYPE: DNA
;

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Query Match	3.8%	Score 44.8;	DB 4;	Length 265;
Best Local Similarity	81.2%;	Pred. No. 0.0029;		
Matches	52;	Conservative	0;	Mismatches 12; Indels 0; Gaps 0.
QY	801	GCTGCTGCTGCAGCGCCGTCGTGGTGGACGCAACATCAGCTGCCGTTTGTCT		860
Dd	158	GCGTGGCTGTGCTGCTGCTTTCCTGCTGCTGCTGCTGCTGCTGCTGCTGCT		
YY	861	GGTG 864		

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1 RESULT 13
2 US-09-491-356C-18/C
3 / Sequence 18, Application US/09491356C
4 / Patent No. 6566061
5 / GENERAL INFORMATION:
6 / APPLICANT: Philibert, Robert A.
7 / APPLICANT: Gibbs, Edward I.
8 / APPLICANT: Delist, Lynn
9 / TITLE OF INVENTION: IDENTIFICATION OF POLYMORPHISMS IN THE PC194 REGION OF X013
10 / FILE REFERENCE: 9465, 6U511
11 / CURRENT APPLICATION NUMBER: US/09/491,356C
12 / CURRENT FILING DATE: 2000-01-26
13 / PRIOR APPLICATION NUMBER: PCT/US99/09365
14 / PRIOR FILING DATE: 1999-04-29
15 / PRIOR APPLICATION NUMBER: 60/083,465
16 / NUMBER OF SEQ ID NOS: 24
17 / SOFTWARE: PatentIn version 3.1
18 / SEQ ID NO 18
19 /
20 / LENGTH: 265
21 / TYPE: DNA

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[illegible]

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GenCore version 5.1.6
Copyright (c) 1993 - 2005 Compugen Ltd.

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Run on: February 25, 2005, 00:36:18 ; Search time 820.175 Seconds
(without alignment)
8438.363 Million cell updates/sec

Title: US-09-729-264-3

Perfect score: 1168

Sequence: 1 agtgcctatgctgcgcagag.....gtaacacactgtagtagatag 1168

Scoring table: IDENTITY NUC
dapop 10.0 , Gapext 1.0

Searched: 5394803 seqs, 2962729879 residues

Total number of hits satisfying chosen parameters: 10789606

Minimum DB seq length: 0
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Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Published Applications NA:*

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21: /cgn2_6/ptodata/1/pubpna/US60_NEW_PUB.seq:*
22: /cgn2_6/ptodata/1/pubpna/US60_PUBCOMB.seq:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	1119.6	95.9	2051	US-10-104-047-1104	Sequence 1104, Ap
2	269	23.0	474	US-09-918-995-3342	Sequence 3342, Ap
3	196.8	16.8	401	US-09-864-761-16305	Sequence 16305, A
4	136.2	11.7	398	US-09-983-965-4945	Sequence 4945, Ap
5	50.6	4.3	775	US-10-424-599-16675	Sequence 16675, A
6	47.8	4.1	381	US-10-357-930-54485	Sequence 54485, A
7	47.6	4.1	2733	US-10-384-107-1	Sequence 1, Appl
8	46	3.9	2706	US-10-620-514-4	Sequence 4, Appl
9	46	3.9	3577	US-10-008-739A-1	Sequence 1, Appl
10	46	3.9	11004	US-10-620-514-1	Sequence 1, Appl
11	45.4	3.9	542	US-10-425-115-122846	Sequence 122846,

C	12	45	3.9	1097	17	US-10-424-599-10899	Sequence 10899, A
C	13	45	3.9	1511	18	US-10-437-963-61590	Sequence 61590, A
C	14	44.8	3.8	616	17	US-10-242-535A-1932	Sequence 1932, Ap
C	15	44.8	3.8	616	17	US-10-085-783A-1932	Sequence 1932, Ap
C	16	44.8	3.8	1310	9	US-09-849-243-13	Sequence 13, Appl
C	17	44.8	3.8	1876	17	US-10-388-360-336	Sequence 336, App
C	18	44.8	3.8	2614	10	US-09-822-884-491	Sequence 491, App
C	19	44.8	3.8	3263	9	US-09-849-243-15	Sequence 15, Appl
C	20	44.8	3.8	4286	9	US-09-849-243-14	Sequence 14, Appl
C	21	44.8	3.8	5085	14	US-10-198-846-9854	Sequence 9854, Ap
C	22	44.8	3.8	5419	18	US-10-479-546-3	Sequence 3, Appl
C	23	44.8	3.8	6604	9	US-09-880-107-1748	Sequence 1748, Ap
C	24	44.6	3.8	1423	18	US-10-489-372-44	Sequence 44, Appl
C	25	44.4	3.8	139	18	US-10-674-124A-7619	Sequence 7619, Ap
C	26	44.4	3.8	376	18	US-10-674-124A-23575	Sequence 23575, A
C	27	44.4	3.8	513	18	US-10-357-930-47995	Sequence 47995, A
C	28	44.2	3.8	405	18	US-10-357-930-56357	Sequence 56357, A
C	29	44.2	3.8	1133	18	US-10-425-115-59679	Sequence 59679, A
C	30	44.2	3.8	1369	18	US-10-425-115-76568	Sequence 76568, A
C	31	44.2	3.8	2568	18	US-10-425-115-85301	Sequence 85301, A
C	32	44.2	3.8	2790	16	US-10-028-386-22626	Sequence 22626, A
C	33	44.2	3.8	7568	17	US-10-133-937-60	Sequence 60, Appl
C	34	44.2	3.8	7568	17	US-10-159-563-60	Sequence 2203, Ap
C	35	44.2	3.8	7568	18	US-10-723-860-2203	Sequence 4844, Ap
C	36	44	3.8	299	10	US-09-814-353-4844	Sequence 1141, A
C	37	44	3.8	299	10	US-09-814-353-11141	Sequence 5368, Ap
C	38	44	3.8	385	10	US-09-814-353-5368	Sequence 11655, A
C	39	44	3.8	385	10	US-09-814-353-11655	Sequence 62705, A
C	40	44	3.8	455	9	US-09-728-444-151	Sequence 151, App
C	41	44	3.8	643	18	US-10-425-115-62705	Sequence 11473, A
C	42	43.8	3.8	1810	17	US-10-425-114-11473	Sequence 91736, A
C	43	43.8	3.8	1825	17	US-10-424-559-91736	Sequence 1699, Ap
C	44	43.8	3.8	8832	13	US-10-087-132-1699	Sequence 9135, Ap
C	45	43.6	3.7	405	18	US-10-425-115-9135	

ALIGNMENTS

RESULT 1									
US-10-104-047-1104									
; Sequence 1104, Application US/10104047									
; Publication No. US20030236392A1									
GENERAL INFORMATION:									
; APPLICANT: HELIX RESEARCH INSTITUTE									
; TITLE OF INVENTION: No. US20030236392A1e1 full length cDNA									
; FILE REFERENCE: H1-A0105									
; CURRENT APPLICATION NUMBER: US/10/104,047									
; CURRENT FILING DATE: 2002-03-25									
; PRIOR APPLICATION NUMBER:									
; PRIOR FILING DATE:									
; NUMBER OF SEQ ID NOS: 4096									
; SOFTWARE: PatentIn Ver. 2.1									
; SEQ ID NO 1104									
; LENGTH: 2051									
; TYPE: DNA									
; ORGANISM: Homo sapiens									
US-10-104-047-1104									
Query Match									
Best Local Similarity 95.9%; Score 1119.6; DB 17; Length 2051;									
Matches 1122; Conservative 0; Mismatches 4; Indels 0; Gaps 0;									
QY	43	CGGTTCTGGGTGTGTAATGAAGTACAGAGCCGCCAAATGCAAGAGCTCTGAAGG	102						
DB	202	CGGTTCTGGGTGTGTAATGAAGTACATGAGCCGCCAGATGCAACAGTCTGAAGG	261						
QY	103	CTCCAGAGTCTGCTTCACTGACCGCTCTCCAGAGGCTGGAAGCTCATGTGGGCTT	162						
DB	262	CTCCAGAGTCTGCTTCACTGACCGCTCTCCAGAGGCTGGAAGCTCATGTGGGCTT	321						
QY	163	CAGTACATGTGTGTAAAGCTGACGCGCATGAGCCATCATCAATGACGAGCTT	222						

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Db      322 CAGTGACATGCTGCTGAAGCCGTGAGGCCCATGAGCCCATCATCAACCATGACCGCTT 381
Qy      223 CACTCTCAAGAGTACAGACGAGGCGGAACTTCACTCGGAGATATATCACAAGT 282
Db      382 CACTCTCAAGAGTACAGACGAGGCGGAACTTCACTCGGAGATATATCACAAGT 441
Qy      283 GAGAGCCAGAGTATCGGGGAAACATCAAGTACAGCCCTCCAGAAACAGTCCCTGATGATC 342
Db      442 GAGAGCCAGAGTATCGGGGAAACATCAAGTACAGCCCTCCAGAAACAGTCCCTGATGATC 501
Qy      343 TCGTCACTTACCGTCAAGTATGAGAGAGCTGTTCATTCCTCACTGTTAATCTTTAGT 402
Db      502 TCGTCACTTACCGTCAAGTATGAGAGAGCTGTTCATTCCTCACTGTTAATCTTTAGT 561
Qy      403 CGCTGAGAAATGAACCTGTGAACTTACTTGTCTACCTTCACTGAGCTGCTCCGGA 462
Db      562 CGCTGAGAAATGAACCTGTGAACTTACTTGTCTACCTTCACTGAGCTGCTCCGGA 621
Qy      463 TATTTCTGGAGAGCTCGGTCTCTGTCAGCCATTCAGCTATTTATTTGTCGGAGCC 522
Db      622 TATTTCTGGAGAGCTCGGTCTCTGTCAGCCATTCAGCTATTTATTTGTCGGAGCC 681
Qy      523 CAGGACCTTCAAGTGAAGTGAAGATCTGCTGCTGACCCCAAGCAATGGAATGGAATTT 582
Db      682 CAGGACCTTCAAGTGAAGTGAAGATCTGCTGCTGACCCCAAGCAATGGAATGGAATTT 741
Qy      583 GACTTGGGCTGCTACCTGGAAGAGCTGAAGAGCCCGCAAGTGTGCAATCTTAATCTCAC 642
Db      742 GACTTGGGCTGCTACCTGGAAGAGCTGAAGAGCCCGCAAGTGTGCAATCTTAATCTCAC 801
Qy      643 TGTATTCGGTGTCCCAAGACATCTGAGAGTGTATTAATTTCAAGTGTATTTATCAAG 702
Db      802 TGTATTCGGTGTCCCAAGACATCTGAGAGTGTATTAATTTCAAGTGTATTTATCAAG 861
Qy      703 TTTTACGAGTTTAAAGTTTTCATTTGCTTACTTGGGCGAAAGTTGAGCTTGACGAG 762
Db      862 TTTTACGAGTTTAAAGTTTTCATTTGCTTACTTGGGCGAAAGTTGAGCTTGACGAG 921
Qy      763 CACCATGCTTCAAGCGCCGACGCTGTAATCTTCAATACGCTGCTGCGCGCGCTG 822
Db      922 CACCATGCTTCAAGCGCCGACGCTGTAATCTTCAATACGCTGCTGCGCGCGCTG 981
Qy      823 TTTGTTGGTGTGCACTGCTGCTGCTGCTGTTGTTTCTGCTGTATTAAGAAAGAGATT 882
Db      982 TTTGTTGGTGTGCACTGCTGCTGCTGCTGTTGTTTCTGCTGTATTAAGAAAGAGATT 1041
Qy      883 TCGTATTCATTTCAAAAGAAATCTGAAAAGAGAAACAAACAAAGAACTGAGACGA 942
Db      1042 TCGTATTCATTTCAAAAGAAATCTGAAAAGAGAAACAAACAAAGAACTGAGACGA 1101
Qy      943 AAGTGAATTAAGAACTCCGGCTTACATTCAGATGAAACAAAGAAACCAAGAACCGCTTC 1002
Db      1102 AAGTGAATTAAGAACTCCGGCTTACATTCAGATGAAACAAAGAAACCAAGAACCGCTTC 1161
Qy      1003 TCTCCCTCCCAATCTCTGTAATCCAGATGCTTGAACAAAGAAAGAGTGTGAGCC 1062
Db      1162 TCTCCCTCCCAATCTCTGTAATCCAGATGCTTGAACAAAGAAAGAGTGTGAGCC 1221
Qy      1063 TCTTCACCAAGCGGCTGATCAAGTCCACCGAGCCAGCAAGTATCAAGGCTTCTTT 1122
Db      1222 TCTTCACCAAGCGGCTGATCAAGTCCACCGAGCCAGCAAGTATCAAGGCTTCTTT 1281
Qy      1123 TAATCTGGCGAGTCTGAGAAAGCTCAAGTAATACAACTGTAGTAG 1168
Db      1282 TAATCTGGCGAGTCTGAGAAAGCTCAAGTAATACAACTGTAGTAG 1247

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RESULT 2

```

US-09-918-995-3342
; Sequence 3342, Application US/09918995
; Publication No. US20030073623A1
; GENERAL INFORMATION:
; APPLICANT: Hyeeq, Inc.

```

```

; TITLE OF INVENTION: NOVEL NUCLEIC ACID SEQUENCES OBTAINED
; FILE REFERENCE: FROM VARIOUS CDNA LIBRARIES
; CURRENT APPLICATION NUMBER: US/09/918,995
; PRIOR FILING DATE: 2001-07-30
; PRIOR APPLICATION NUMBER: US/09/235,076
; NUMBER OF SEQ ID NOS: 38054
; SOFTWARE: FASTSEQ for Windows Version 3.0
; SEQ ID NO 3342
; LENGTH: 474
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)...(474)
; OTHER INFORMATION: n = A,T,C or G
US-09-918-995-3342

```

Query Match

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Best Local Similarity 23.0%; Score 269; DB 10; Length 474;
Matches 272; Conservative 0; Mismatches 5; Indels 0; Gaps 0;

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Qy      892 ATTTCAAAAGAAATCTGAAAAGAGAAACAAACAAAGAACTGAGACAGAAAGTGGAAA 951
Db      54 ACTTTAAGAAATCTGAAAAGAGAAACAAACAAAGAACTGAGACAGAAAGTGGAAA 113
Qy      952 TGAATACTCCGGCTCAATTCAGATGAACAAAGACACAGACACCGCTTCTCCCTCC 1011
Db      114 TGAATACTCCGGCTCAATTCAGATGAACAAAGACACAGAAACCGCTTCTCCCTCC 173
Qy      1012 CAATCCTGTGAATCCAGTATCTGTAACAAGAAACAGTACTGTGCTCTCCACCA 1071
Db      174 CAATCCTGTGAATCCAGTATCTGTAACAAGAAACAGTACTGTGCTCTCCACCA 233
Qy      1072 GCGGCTGATCAACGTCACCCAGGCGACAGTCAATCAAGGCTTCTTTAATCGGC 1131
Db      234 GCGGCTGATCAACGTCACCCAGGCGACAGTCAATCAAGGCTTCTTTAATCGGC 293
Qy      1132 CAGTCTGGAAGAGTCAAGTAATACAACTGTAGTAG 1168
Db      294 CAGTCTGGAAGAGTCAAGTAATACAACTGTAGTAG 330

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RESULT 3

```

US-09-864-761-16305
; Sequence 16305, Application US/09864761
; Patent No. US20020048763A1
; GENERAL INFORMATION:
; APPLICANT: Penn, Sharon G.
; APPLICANT: Rank, David R.
; APPLICANT: Hanzel, David K.
; APPLICANT: Chen, Wensheng
; TITLE OF INVENTION: HUMAN GENOME-DERIVED SINGLE EXON NUCLEIC ACID PROBES USEFUL FOR
; FILE REFERENCE: Aecmeca-X-1
; CURRENT APPLICATION NUMBER: US/09/864,761
; PRIOR FILING DATE: 2001-05-23
; PRIOR APPLICATION NUMBER: US 60/180,312
; PRIOR FILING DATE: 2000-02-04
; PRIOR APPLICATION NUMBER: US 60/207,456
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: US 09/632,366
; PRIOR FILING DATE: 2000-08-03
; PRIOR APPLICATION NUMBER: GB 24263.6
; PRIOR FILING DATE: 2000-10-04
; PRIOR APPLICATION NUMBER: US 60/236,359
; PRIOR FILING DATE: 2000-09-27
; PRIOR APPLICATION NUMBER: PCT/US01/00666
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00667
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00664

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: LENGTH: 398
: TYPE: DNA
: ORGANISM: Bos taurus
: FEATURE:
: OTHER INFORMATION: Clone ID: 26-LIB34-017-Q1-E1-G9
US-09-983-965-4945

Query Match
Best Local Similarity 11.7%; Score 136.2; DB 9; Length 398;
Matches 165; Conservative 0; Mismatches 48; Indels 0; Gaps 0;

OY 42 CCGCTTCTGAGTCTGTAATGAAGTCATAGAAGGCCCCCAAAATGCAAGTCTTGAAG 101
Db 186 CAGCTTGTGATTCAGACAGTGAATAATCATAGAAGGTCCCAAGAAATGTACAGCCCTGAAG 245

OY 102 GCTCCCAAGGCTCGCTTCAACTGACACGCTCCCAAGGCTGAAGTCAATGAGGCTC 161
Db 246 GCTGGAGGCTCGCTTCAACTGACACCTCTCGAGGCTGAAAGCTGTCAATGTGGCTC 305

OY 162 TCACTGACATGATGATGCTTAAGCGTCAAGGCCCATGAGCCATCATCAACCAATGACCGCT 221
Db 306 TGAGAGGCACAGTGTGCTGATGACATGACACCTAATGAGACCATCATCATCAGATGACCGCT 365

OY 222 TCACCTCTCAGAGGTAGACCAAGGCGCGGAAT 254
Db 366 TCACTTGCGCAGCTACCAAGAGGCGCGGAAT 398

RESULT 5
US-10-424-599-16675/C
: Sequence 16675, Application US/10424599
: Publication No. US20040031072A1
: GENERAL INFORMATION:
: APPLICANT: La Rosa Thomas J
: APPLICANT: Kovalic David K
: APPLICANT: Zhou Yihua
: APPLICANT: Cao Yongwei
: TITLE OF INVENTION: Soy Nucleic Acid Molecules and Other Molecules Associated with
: FILE OF INVENTION: Plants and Uses Thereof for Plant Improvement
: FILE REFERENCE: 38-21(53223)B
: CURRENT APPLICATION NUMBER: US/10/424,599
: CURRENT FILING DATE: 2003-04-28
: NUMBER OF SEQ ID NOS: 285684
: SEQ ID NO 16675
: LENGTH: 775
: TYPE: DNA
: ORGANISM: Glycine max
: FEATURE:
: OTHER INFORMATION: Clone ID: PAT_MRT3847_115063C.1
US-10-424-599-16675

Query Match
Best Local Similarity 4.3%; Score 50.6; DB 17; Length 775;
Matches 65; Conservative 0; Mismatches 24; Indels 0; Gaps 0;

OY 801 GCTGCTGCTGCTGCGCGCGTGTGTTGTGAGTGAACATGCTGCTGCGTGTGTTGCT 860
Db 710 GTTGCTGCTGCTGCTGCTGCTGTGTTGTGAGTGTGCTGCTGCTGCTGCTGCTGCTGCT 651

OY 861 GCTGTAGAGAAAAAGAGATTTCGTATT 889
Db 650 GCTGCTGCTGCTGCTGAGCCCTTGTGTAAT 622

RESULT 6
US-10-357-930-54485
: Sequence 54485, Application US/10357930
: Publication No. US20040259086A1
: GENERAL INFORMATION:
: APPLICANT: Schlegel, Robert
: APPLICANT: Endege, Wilson
: APPLICANT: Monahan, John
: TITLE OF INVENTION: NOVEL GENES, COMPOSITIONS, KITS, AND METHODS FOR

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; TITLE OF INVENTION: IDENTIFICATION, ASSESSMENT, PREVENTION, AND THERAPY OF
; TITLE OF INVENTION: HUMAN PROSTATE CANCER
; FILE REFERENCE: MRI-007BCN
; CURRENT APPLICATION NUMBER: US/10/357,930
; PRIOR FILING DATE: 2003-02-04
; PRIOR APPLICATION NUMBER: 09/785,276
; PRIOR FILING DATE: 2003-02-16
; PRIOR APPLICATION NUMBER: 60/183,319
; PRIOR FILING DATE: 2000-02-17
; PRIOR APPLICATION NUMBER: 60/189,862
; PRIOR FILING DATE: 2000-03-16
; PRIOR APPLICATION NUMBER: 60/207,454
; PRIOR FILING DATE: 2000-05-25
; PRIOR APPLICATION NUMBER: 60/211,314
; PRIOR FILING DATE: 2000-06-09
; PRIOR APPLICATION NUMBER: 60/219,007
; PRIOR FILING DATE: 2000-07-18
; PRIOR APPLICATION NUMBER: 60/255,281
; PRIOR FILING DATE: 2000-12-13
; NUMBER OF SEQ ID NOS: 62232
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 54485
; LENGTH: 381
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: 28
; OTHER INFORMATION: n = A,T,C or G
US-10-357-930-54485

Query Match
Best Local Similarity 4.1%; Score 47.8; DB 18; Length 381;
Matches 109; Conservative 0; Mismatches 102; Indels 0; Gaps 0;

QY 860 TGCTGTGAGAGAAAGAGGATTTCGATTCATTTCAAAAGAAATCTGAAAAAGAGAG 919
DB 138 TGGTGAAAAAAGAAAAAAGAAAAAAGAAAAAAGAAAAAAGAAAAAAGAAAAAAG 197
QY 920 ACAACCAAGAACTGAGACAGAAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAG 979
DB 198 AAAAAAAGAAAAAAGAAAAAAGAAAAAAGAAAAAAGAAAAAAGAAAAAAGAAAAA 257
QY 980 CAAAGACACAGACACGCTTCTCCCTCCCAATCTGTAATCCAGTATCTGAA 1039
DB 258 AAAAAAAGACACACACACGCTCCCTCCCTCCCTCCCTCCCTCCCTCCCTCCCTCC 317
QY 1040 CAAAGAAACAGTGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1070
DB 318 CGAAACAAATTTAAGCCCCCCCCCTCCCTCCCTCCCTCCCTCCCTCCCTCCCTCC 348

RESULT 7
US-10-384-107-1/c
; Sequence 1, Application US/10384107
; Publication No. US20050003477A1
; GENERAL INFORMATION:
; APPLICANT: The Trustees of Columbia University
; APPLICANT: Kandel, Eric R.
; APPLICANT: Santoro, Bina
; APPLICANT: Barsch, Dusan
; APPLICANT: Siegelbaum, Steven
; APPLICANT: Tibbs, Gareth
; APPLICANT: Grant, Sech
; TITLE OF INVENTION: Pacemaker Channel Proteins and Uses Thereof
; FILE REFERENCE: 0575/54806-B
; CURRENT APPLICATION NUMBER: US/10/384,107
; PRIOR FILING DATE: 2003-03-06
; PRIOR APPLICATION NUMBER: 08/997,685
; NUMBER OF SEQ ID NOS: 60
; SOFTWARE: Patentin version 3.1
; SEQ ID NO 1

```

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; LENGTH: 2733
; TYPE: DNA
; ORGANISM: mouse
US-10-384-107-1

Query Match
Best Local Similarity 4.1%; Score 47.6; DB 18; Length 2733;
Matches 59; Conservative 0; Mismatches 19; Indels 0; Gaps 0;

QY 801 GCTGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 860
DB 2284 GCTGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 2225
QY 861 GCTGTGAGAGAAAAAGAG 878
DB 2224 GCTGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 2207

RESULT 8
US-10-620-514-4/c
; Sequence 4, Application US/10620514
; Publication No. US20040068762A1
; GENERAL INFORMATION:
; APPLICANT: Attar, Ricardo M.
; APPLICANT: Bol, David K.
; APPLICANT: Gottardis, Marco
; APPLICANT: Mookhtiar, Kasim
; APPLICANT: Rowley, Ronald B.
; APPLICANT: Ostrowski, Jacek
; TITLE OF INVENTION: TRANSGENIC NON-HUMAN MAMMALS EXPRESSING A REPORTER NUCLEIC ACID
; FILE REFERENCE: D0287 NP
; CURRENT APPLICATION NUMBER: US/10/620,514
; PRIOR FILING DATE: 2003-07-16
; PRIOR APPLICATION NUMBER: US 60/396,501
; PRIOR FILING DATE: 2002-07-17
; NUMBER OF SEQ ID NOS: 14
; SOFTWARE: Patentin version 3.2
; SEQ ID NO 4
; LENGTH: 2706
; TYPE: DNA
; ORGANISM: Rattus norvegicus
US-10-620-514-4

Query Match
Best Local Similarity 3.9%; Score 46; DB 17; Length 2706;
Matches 73; Conservative 0; Mismatches 45; Indels 0; Gaps 0;

QY 755 CTAGCAGGACACACCTTCTGACGCCGACGTGACTTACAAATACGCTGCTGCTGCTG 814
DB 632 CCAATGCTCTCTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 573
QY 815 CGCCGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 872
DB 572 TGCTGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 515

RESULT 9
US-10-008-739A-1/c
; Sequence 1, Application US/10008739A
; Publication No. US20020161194A1
; GENERAL INFORMATION:
; APPLICANT: Pfizer Inc.
; APPLICANT: Caetleberry, Tessa A.
; APPLICANT: Lu, Bihong
; APPLICANT: Owen, Thomas A.
; APPLICANT: Smock, Steven L.
; TITLE OF INVENTION: The Canine Androgen Receptor
; FILE REFERENCE: PC10893AGPR
; CURRENT APPLICATION NUMBER: US/10/008,739A
; PRIOR FILING DATE: 2002-04-15
; NUMBER OF SEQ ID NOS: 2
; SOFTWARE: Patentin version 3.1

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RESULT 13
US-10-437-963-61590
; Sequence 61590, Application US/10437963
; Publication No. US20040123343A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa, Thomas J.

RESULT 15
US-10-085-783A-1932/c
; Sequence 1932, Application US10085783A
; Publication No. US20040037841A1
; GENERAL INFORMATION:
; APPLICANT: ChondroGene Inc.
; APPLICANT: Lew, C.C.
; TITLE OR INVENTION: Compositions and Methods Relating to Osteoarthritis
; FILE REFERENCE: 4231/2002
; CURRENT APPLICATION NUMBER: US/10/085,783A
; CURRENT FILING DATE: 2002-02-28
; PRIOR APPLICATION NUMBER: US 60/305,340
; PRIOR FILING DATE: 2001-07-13
; PRIOR APPLICATION NUMBER: US 60/275,017
; PRIOR FILING DATE: 2001-03-12
; PRIOR APPLICATION NUMBER: US 60/271,955
; PRIOR FILING DATE: 2001-02-28
; NUMBER OF SEQ ID NOS: 58994

Query Match	3.8%	Score 44.8;	DB 17;	Length 616;
Best Local Similarity	81.2%;	Pred. No. 0.03;		
Matches 52;	Conservative 0;	Mismatches 12;	Indels 0;	Gaps 0;
QY	801	GGTGGCTGCTGCGCCGCGTGGTGGTGGAGCAACAGTGGTGGCCGTTGGTGTCTT	860	

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Qy      861 GCTG 864
        |||
Db      426 GCTG 423

Search completed: February 25, 2005, 06:16:02
Job time : 821.509 secs

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RESULT 2
US-09-949-016-11025
; Sequence 11025, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; TITLE OF INVENTION: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: C0001307
; CURRENT APPLICATION NUMBER: US/09/949, 016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241, 755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237, 768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231, 498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 11025
; LENGTH: 404
; TYPE: PRNT
; ORGANISM: Human
US-09-949-016-11025

```

Query Match	7.0%	Score 145.5	DB 4	Length 404
Best Local Similarity	23.5%	Pred. 9.9e-05		
Matches	77	Conservative 34	Mismatches 94	Indels 123
				Gaps 15
QY	64	EPITINDRFTS-----QRYDQGNFR--SEMIIHNVPEDSGNIR---CSIQNSRLHGS	112	
Db	162	KLPLVNEKGVSVMEQRRHRHPETGLTQSELM--VTPARGDPRPTSCSSPGLPRRR	218	
QY	113	ALITVQWGEFLFP-----SVNLVAVNEB-----CEYTCLPSEHTWLPDIS	154	
Db	219	ALRTAPIQRPVPEVPVLEEVQLV--BEGGAVAPGCVTLTCEVPAQPS-----PQIH	270	
QY	155	WELGLVSHSVYFPPEPSDLOSANILATQNSGTLTCVATWHSLKARKSATVNLTVI	214	
Db	271	WKWD-----GNPLPSPSPVILPEIPGDPQDGYTSCVATHSHGQBSRAVSISI	321	
QY	215	RCPDGTGGINIPGLSLSPSLGSLPTMGAKVGLAGLMTLT-----PYCTLTTC	267	
Db	322	E-PGEEG-----PRAGSVGSSGLTTLALALGILGLTAALLGVI	361	
QY	268	CCRRCCGCCNCCRCPCCRKRGRIQFOKKSEKRT--NKETETESGENSGNSQ	325	
Db	362	LMWR-----QRGRERKAPENQJEBERAEIN-----	389	
QY	326	KTTDTASLPKSCSSDPEQRNSGCP	353	
Db	390	-----QSEEPAGESSITGCP	404	

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RESULT 3
US-09-638-648-3
Sequence 3, Application US/09638648
Patent No. 6825164
GENERAL INFORMATION:
APPLICANT: Stern, David M.
APPLICANT: Schmidt, Ann Marie
APPLICANT: van, Shi Du
APPLICANT: Zlokovic, Berislav
TITLE OF INVENTION: A METHOD TO INCREASE CEREBRAL BLOOD FLOW IN AMYLOID
FILE REFERENCE: 0575/62097
CURRENT APPLICATION NUMBER: US/09/638,648
CURRENT FILING DATE: 2000-08-14
NUMBER OF SEQ ID NOS: 6
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 3
LENGTH: 404

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; TYPE: PRT
; ORGANISM: Human
US-09-638-648-3

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Query Match	7.0%;	Score 145.5;	DB 4;	Length 404;
Best Local Similarity	23.5%;	Pred. No. 9.8e-05;		
Matches	77;	Conservative	34;	Mismatches 94;
				InEds 123;
				Gaps 15;

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QY      64 BEIIMNDRFTS-----QRDYCGAGNT--SEMIHNHVEPSDSGNIR-----CSLONSRLHG 112
Db      162 KFLVNEKGVASVKEDOTRRHPETGTLTQSELM-----VTBARGGDPRPTSCFSFSLPHRH 218
QY      113 AYLIVQWNGELFIP-----SVNLVVAENBP-----CEVTCULPSHMWTLPDIS 154
Db      219 ALRTAPIRPAWEFPVLREVOLVV-----EPREGAVAPGGTVLTLCHEVPAQPS-----PDIH 270
QY      155 WELGLVSHSYVFPEBPSDLQSAVSIALTPQSNGITLTCAATWSLKARKSATVNLTVI 214
Db      271 WMKD-----GVPLPLPPSPVLLIPEISPOQGTYSCVATHSSHQDESRVAVISII 321
QY      215 RCPDQTGGGINIPGVLSLPSLGFSLPTWKRVGLAGLAGTMILT-----PTCLTTRCC 267
Db      322 E-PEEBEG-----PTAGSVGSSTGTALALGILGIGTALLGI 361
QY      268 CCRBRCCGCNCRCFCRCRRKRGRFIOPKKSEKMT--NKMETMSGNENGSGYNBDQ 325
Db      362 LMQRR-----QRGRHERKAPNQEEBERAEIN----- 389
QY      326 KTDTDTAALPKPCESHPPEQRNSCGPP 353
Db      390 -----QSEEPKAGSSTGGP 404

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RESULT 4
US-08-755-235-4
; Sequence 4, Application US/08755235
; Patent No. 6790443
; GENERAL INFORMATION:
; APPLICANT: Stern, David M.
; APPLICANT: Schmidt, Ann Marie
; APPLICANT: Wu, Jun
; TITLE OF INVENTION: METHOD FOR TREATING SYMPTOMS OF DIABETES
; FILE REFERENCE: 0575/50159
; CURRENT APPLICATION NUMBER: US/08/755,235
; CURRENT FILING DATE: 1996-11-22
; NUMBER OF SEQ ID NOS: 4
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 4
; LENGTH: 405
; TYPE: PRT
; ORGANISM: Human
US-08-755-235-4

```

Query Match	6.7%;	Score 140;	DB 4;	Length 405;
Best Local Similarity	23.7%;	Pred. No. 0.00031;		
Matches	78;	Conservative	34;	Mismatches 93.
				Indels 124.
				Coverage 100.

QY 64 EPIITNDRTS-----QRYDQGNFT--SEMIHNVEPSDGNIR---CSLQNRSLHGS 112
 Db 162 KVLVPEKGVSKYECOTRRHHPETGLFTLOSELM---VTPARGSDPRPTFCSSPGLPRHR 216
 QY 113 AYLTVVMGELFIP---SVNLVVAENEP-----CEPTGLPSMTWLPDIS 154
 Db 219 ALRTAPIQRVPEVPLREYQUTV---EPGSAVAPRGVITLICEVPAQPS-----PQIH 270
 QY 155 WELGLLVSHSSYFVPEPSPDLQSAVSLTALTPQSNGLTCVATWKSUKARKS-ATVNLTV 213
 Db 271 WKMD-----GVPLPEPSPVLLIPELGPDDQYTCVATHSHGPEBSRAVAVSISI 321
 QY 214 IACPDDTGGINIPQVLSLPSLGFSLPTWKGVLGAGTMMLT-----PTCLITIRC 266
 Db 322 IE-PEBEG-----PTAGSVGSGGLGTLTALNAGILGAGTAAALLGV 361

QY 267 CCCRRCCGNCNCCRCFCRRKRRFRIOFKKSEKKT--NKETETESGNSGNSDE 324
DB 362 ILMORR-----ORGERKAPENQEEBEERAEIN----- 390
QY 325 OKTTDTASLPKSCSSDEQNSSCGP 353
DB 391 -----OSEEPAGESSITGCP 405

RESULT 5
US-09-041-886-25
Sequence 25, Application US/09041886
Patent No. 6235872
GENERAL INFORMATION:
APPLICANT: Bredesen, Dale E.
APPLICANT: Rabizadeh, Sharrow
TITLE OF INVENTION: Proapoptotic Peptides, Dependence
TITLE OF INVENTION: Polypeptides and Methods of Use
NUMBER OF SEQUENCES: 72
CORRESPONDENCE ADDRESS:
ADDRESSEE: Campbell & Flores LLP
STREET: 4370 La Jolla Village Drive, Suite 700
CITY: San Diego
STATE: California
COUNTRY: United States
ZIP: 92122

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/041,886
FILING DATE:
CLASSIFICATION:
ATTORNEY/AGENT INFORMATION:
NAME: Campbell, Cathryn A.
REGISTRATION NUMBER: 31,815
REFERENCE/DOCKET NUMBER: P-LJ 2626
TELECOMMUNICATION INFORMATION:
TELEPHONE: (619) 535-9001
TELEFAX: (619) 535-8949
INFORMATION FOR SEQ ID NO: 25:
SEQUENCE CHARACTERISTICS:
LENGTH: 1447 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-09-041-886-25

Query Match
Best Local Similarity 25.1%; Score 136; DB 3; Length 1447;
Matches 62; Conservative 34; Mismatches 101; Indels 50; Gaps 10;

QY 9 RDPGSGSGNEV-----IEGPONARVLKSGQARFNCTVSQGM--KLIMW 50
DB 215 RNPASSRTGNEAEVRILSDPGLHRLQYFLQRPNSVVAIEGKDAVLECCVS--GYPPSPFTW 273
QY 51 ALSDMVULSVRMEPIITNDRTFSORYDOGNFTSEMIITHNVEPDSGNIRC--SLQNR 108
DB 274 LRGEVY-----QIRSKKYSLLGG--SNLLISNTVDDSGMYTCVVTYKKN 318
QY 109 LHGSAVLYVQVNGELFIPSVNLVVAENEPCEVTCLEPSHWTWLPDISW--ELGLLVSHSY 167
DB 319 ISASAEILTVLPWPLNHPNSNLAYAESMDIEFECTVSGKP--VPTVMMKNGDVVIPSDF 377
QY 166 FVPEPDSLOSASVILALTPQNSGTLTCAVTKSLKARKSATVNLVIRCPDGTGGINIP 227
DB 378 QIVGGSNLR-----ILGVKSDGEFYQCAVNEAGNAQTS AOLIVKPAIPSSS----- 426

QY 228 GVLSLP 234
DB 427 -VLPSAP 432

RESULT 6
PCT-US94-05277-2
Sequence 2, Application PC/TUS9405277
GENERAL INFORMATION:
APPLICANT: Bruckin, Arthur
APPLICANT: Jaroosz, David E.
APPLICANT: Johnson, Karen
APPLICANT: Kinzler, Kenneth W.
APPLICANT: Vogelstein, Bert
APPLICANT: Zabrucky, James R.
TITLE OF INVENTION: Antibodies Specific for DCC Gene Product
NUMBER OF SEQUENCES: 2
CORRESPONDENCE ADDRESS:
ADDRESSEE: Banner, Birch, McKie & Beckett
STREET: 1001 G Street, N.W.
CITY: Washington
STATE: D.C.
COUNTRY: USA
ZIP: 20001

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: PCT/US94/05277
FILING DATE:
CLASSIFICATION:
ATTORNEY/AGENT INFORMATION:
NAME: Kagan, Sarah A.
REGISTRATION NUMBER: 32,141
REFERENCE/DOCKET NUMBER: 01107.42709
TELECOMMUNICATION INFORMATION:
TELEPHONE: 202.508.9100
TELEFAX: 202.508.9299
TELEX: 197430 BBMB UT
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 1447 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
PCT-US94-05277-2

Query Match
Best Local Similarity 25.1%; Score 136; DB 5; Length 1447;
Matches 62; Conservative 34; Mismatches 101; Indels 50; Gaps 10;

QY 9 RDPGSGSGNEV-----IEGPONARVLKSGQARFNCTVSQGM--KLIMW 50
DB 215 RNPASSRTGNEAEVRILSDPGLHRLQYFLQRPNSVVAIEGKDAVLECCVS--GYPPSPFTW 273
QY 51 ALSDMVULSVRMEPIITNDRTFSORYDOGNFTSEMIITHNVEPDSGNIRC--SLQNR 108
DB 274 LRGEVY-----QIRSKKYSLLGG--SNLLISNTVDDSGMYTCVVTYKKN 318
QY 109 LHGSAVLYVQVNGELFIPSVNLVVAENEPCEVTCLEPSHWTWLPDISW--ELGLLVSHSY 167
DB 319 ISASAEILTVLPWPLNHPNSNLAYAESMDIEFECTVSGKP--VPTVMMKNGDVVIPSDF 377
QY 166 FVPEPDSLOSASVILALTPQNSGTLTCAVTKSLKARKSATVNLVIRCPDGTGGINIP 227
DB 378 QIVGGSNLR-----ILGVKSDGEFYQCAVNEAGNAQTS AOLIVKPAIPSSS----- 426

QY 228 GVLSLP 234
DB 427 -VLPSAP 432

RESULT 7
US-08-374-834-16

```

; Sequence 16, Application US/08374834
; Patent No. 5656473
; GENERAL INFORMATION:
; APPLICANT: Valenzuela, et al.
; TITLE OF INVENTION: NOVEL TYROSINE KINASE RECEPTOR
; NUMBER OF SEQUENCES: 17
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Regeneron Pharmaceuticals, Inc.
; STREET: 777 Old Saw Mill River Road
; CITY: Tarrytown
; STATE: New York
; COUNTRY: USA
; ZIP: 10591
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/374,834
; FILING DATE: 19-JAN-1995
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/095,658
; FILING DATE: 21-JUL-1993
; ATTORNEY/AGENT INFORMATION:
; NAME: Cobert, Robert J.
; REGISTRATION NUMBER: 36,108
; REFERENCE/DOCKET NUMBER: REG 190A
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (914) 345-7400
; TELEFAX: (914) 345-7721
; INFORMATION FOR SEQ ID NO: 16:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 869 amino acids
; TYPE: amino acid
; STRANDEDNESS:
; TOPOLOGY: unknown
; MOLECULE TYPE: protein
; US-08-374-834-16

```

```

Query Match      6.3%; Score 132.5; DB 1; Length 869;
Best Local Similarity 20.8%; Pred. No. 0.0041;
Matches 89; Conservative 55; Mismatches 178; Indels 105; Gaps 20;

QY 4 GAMENRDPGSGSGNEVIEGPONARVYKSGQARFNCVTSQGWK-LIMMALSDMVVLVSRP 62
DB 113 GALQVMKRP-----KITRPPIVVKIIEGLKAVLPCTTMGNPKPSVSWIKD----- 158
QY 63 MEPIITNDRFTSQRYDQGNFTSEMIINHVPSDSGNIRCSLQNSRLHGSAY-LTVQVMG 121
DB 159 -SPLRENSRIAVLE-----SGSLRIHNVOKEKEDAGYRCVAKNSL--GTAYSKVVKLEV 208
QY 122 ELFIPIVSVLVVAENP-----CEVTCLPSHWTMLPDISW-ELGLVSHSSYFVPEP 172
DB 209 EVFARILRAPESHNVTFGSFVTLHCTATGIP-----VPTITWLENGNAVSSGSIQESVXD 263
QY 173 SDLOSANVSIALLTPQSNGLTLCVAT-----WKSIAKRSATVNLTVIRCPDPTGGG----- 223
DB 264 RVIDSRQLQFLTKP--GLYTICIAINMGKEKFTAKAAATISIAEMSKPKDKNGYCAQY 320
QY 224 -----INIGVLSLPSLGSFL-----PTWGVGLAGLGTMLLTPCTLTIRCC 267
DB 321 RGEVCNAVLAQDALVFLNTSYADPEAQBELLVHTANMEL-----KVSPVCRPAAEAL 373
QY 268 CCRRCRCGCGN-----CCCRCC-----FCRRKRGFRIOFKKSEKTKNKETETE 312
DB 374 LCNHIFQRCBPGVPTPIPIREYCLAVKELFCKE-----WLVMEKTHRGVLRSMHL 429
QY 313 SGNENSGVNSDEQKTTDTASLPPKSCSSDPEQGNSSCGPPHQRADQRP-----PRASHP 368
DB 430 SVPECSKLPSWMDPTACARLP-----HLDYNNKENLKTFRP--MTSKPSVDIPLNPSSS 482

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QY 369 QASENIA 375
DB 483 SSSFSVS 489

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RESULT 8
US-08-644-271-29
; Sequence 29, Application US/08644271
; Patent No. 5814478
; GENERAL INFORMATION:
; APPLICANT: Valenzuela, et al.
; TITLE OF INVENTION: NOVEL TYROSINE KINASE RECEPTORS
; NUMBER OF SEQUENCES: 32
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Regeneron Pharmaceuticals, Inc.
; STREET: 777 Old Saw Mill Road
; CITY: Tarrytown
; STATE: NY
; COUNTRY: USA
; ZIP: 10591

```

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; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: FastSeq Version 2.0

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; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/644,271
; FILING DATE: 10-MAY-1996
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: USSN 60/008,657
; FILING DATE: 15-DEC-1995

```

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; ATTORNEY/AGENT INFORMATION:
; NAME: Cobert, Robert J.
; REGISTRATION NUMBER: 36,108
; REFERENCE/DOCKET NUMBER: REG 195A
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 914-345-7400
; TELEFAX: 914-345-7721

```

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; INFORMATION FOR SEQ ID NO: 29:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 869 amino acids
; TYPE: amino acid
; STRANDEDNESS:
; TOPOLOGY: unknown
; MOLECULE TYPE: protein
; US-08-644-271-29

```

```

Query Match      6.3%; Score 132.5; DB 2; Length 869;
Best Local Similarity 20.8%; Pred. No. 0.0041;
Matches 89; Conservative 55; Mismatches 178; Indels 105; Gaps 20;

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QY 4 GAMENRDPGSGSGNEVIEGPONARVYKSGQARFNCVTSQGWK-LIMMALSDMVVLVSRP 62
DB 113 GALQVMKRP-----KITRPPIVVKIIEGLKAVLPCTTMGNPKPSVSWIKD----- 158
QY 63 MEPIITNDRFTSQRYDQGNFTSEMIINHVPSDSGNIRCSLQNSRLHGSAY-LTVQVMG 121
DB 159 -SPLRENSRIAVLE-----SGSLRIHNVOKEKEDAGYRCVAKNSL--GTAYSKVVKLEV 208
QY 122 ELFIPIVSVLVVAENP-----CEVTCLPSHWTMLPDISW-ELGLVSHSSYFVPEP 172
DB 209 EVFARILRAPESHNVTFGSFVTLHCTATGIP-----VPTITWLENGNAVSSGSIQESVXD 263
QY 173 SDLOSANVSIALLTPQSNGLTLCVAT-----WKSIAKRSATVNLTVIRCPDPTGGG----- 223
DB 264 RVIDSRQLQFLTKP--GLYTICIAINMGKEKFTAKAAATISIAEMSKPKDKNGYCAQY 320
QY 224 -----INIGVLSLPSLGSFL-----PTWGVGLAGLGTMLLTPCTLTIRCC 267
DB 321 RGEVCNAVLAQDALVFLNTSYADPEAQBELLVHTANMEL-----KVSPVCRPAAEAL 373

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QY 268 CCRRCGCCN-----CCRC-----FCRRKRGFRIOFOKSEKETNETETE 312
DB 374 LCNHIFOECSPGVPTPIPICREYCLAVELFCAXE-----WVMEKTRGLYRSEMHL 429
QY 313 SCNENSGVNSDQKTTDTASLPKSCGSSDPBORNSSCGPPHQADQRP-----PRPASHP 368
DB 430 SVPECSKLPSPMMDPTACARLP-----HVDYKKNLKTTPP-----MTSSKPSVDIPNLPSSS 482
QY 369 QASFNLA 375
DB 483 SSSFSVS 489

RESULT 9
US-09-077-955-33
; Sequence 33, Application US/09077955A
; Patent No. 6413740
; GENERAL INFORMATION:
; APPLICANT: Valenzuela et al., David M.
; TITLE OF INVENTION: NOVEL TYROSINE KINASE RECEPTORS AND LIGANDS
; FILE REFERENCE: REG195-B-PCT-US
; CURRENT APPLICATION NUMBER: US/09/077,955A
; EARLIER FILING DATE: 1998-09-10
; EARLIER APPLICATION NUMBER: PCT/US96/20696
; EARLIER FILING DATE: 1996-12-13
; EARLIER APPLICATION NUMBER: 08/644,271
; EARLIER FILING DATE: 1996-05-10
; EARLIER APPLICATION NUMBER: 60/008,657
; EARLIER FILING DATE: 1995-12-15
; NUMBER OF SEQ ID NOS: 36
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 33
; LENGTH: 869
; TYPE: PR
; ORGANISM: Homo sapiens
US-09-077-955-33

Query Match
Best Local Similarity 20.8%; Score 132.5; DB 4; Length 869;
Matches 89; Conservative 55; Mismatches 178; Indels 105; Gaps 20;

QY 4 GAMENRDPGSSGNGNEVIEGPONARVLKGSQARFNCTYSQGWK-LIMALSDMVVLSTVRP 62
DB 113 GALQVWMP-----KITRPPINVKIIEGLKAVLPCTTGNPNPSPVSWIKGD----- 158
QY 63 MEPIITNDRFTSQRYDQGNFTSEMIHNVBPDSGNIRCSLONSRHLSAY-LTVQWNG 121
DB 159 -SPLKENSRIAYLE-----SGSLRIHVQKEDAGQYRCVAKNSL--CTAYSKVYKLEF 208
QY 122 ELFIPIVNLVAVNEB-----CEVTCLPSPHMTWLPDISW-ELGLVSHSSYFVPEP 172
DB 209 EVFARILRAPESHNTVFGSFVTLHCTATGIP-----VPIITWIENGNAVSSGSIQESVVD 263
QY 173 SLOQAVSLALTLPQSNGLTLCVAT-----WKSILKARKSATVNLTVIRCPDQDGGG----- 223
DB 264 RVIDSRLOLFTIKP--GLYTICIAITNKGKSTAKAAATISIAESKPKQKONKGCAOY 320
QY 224 ----INIPGVLSSLPSLGFSL-----PTWKGAGLGLAGTMLTPTCTTLTRCC 267
DB 321 ROEVNNAVLAKALVPLNTSYADPEAOELLVHTAMNEL-----KVVSFVCRPAALML 373
QY 268 CCRRCGCCN-----CCRC-----FCRRKRGFRIOFOKSEKETNETETE 312
DB 374 LCNHIFOECSPGVPTPIPICREYCLAVELFCAXE-----WVMEKTRGLYRSEMHL 429
QY 313 SCNENSGVNSDQKTTDTASLPKSCGSSDPBORNSSCGPPHQADQRP-----PRPASHP 368
DB 430 SVPECSKLPSPMMDPTACARLP-----HVDYKKNLKTTPP-----MTSSKPSVDIPNLPSSS 482
QY 369 QASFNLA 375
DB 483 SSSFSVS 489
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RESULT 10
US-09-715-249-8
; Sequence 8, Application US/09715249
; Patent No. 6790614
; GENERAL INFORMATION:
; APPLICANT: NOVARTIS AG
; APPLICANT: VERES, GABOR
; APPLICANT: PIPPIG, SUSANNE
; TITLE OF INVENTION: selectable cell surface marker genes
; FILE REFERENCE: 4-31192
; CURRENT APPLICATION NUMBER: US/09/715,249
; EARLIER FILING DATE: 2000-11-17
; PRIOR APPLICATION NUMBER: us 60/166594
; PRIOR FILING DATE: 1999-11-19
; PRIOR APPLICATION NUMBER: us 09/539248
; PRIOR FILING DATE: 2000-03-30
; NUMBER OF SEQ ID NOS: 16
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 8
; LENGTH: 869
; TYPE: PR
; ORGANISM: MUSK
US-09-715-249-8

Query Match
Best Local Similarity 24.3%; Score 131.5; DB 4; Length 869;
Matches 57; Conservative 36; Mismatches 95; Indels 47; Gaps 11;

QY 4 GAMENRDPGSSGNGNEVIEGPONARVLKGSQARFNCTYSQGWK-LIMALSDMVVLSTVRP 62
DB 113 GALQVWMP-----KITRPPINVKIIEGLKAVLPCTTGNPNPSPVSWIKGD----- 158
QY 63 MEPIITNDRFTSQRYDQGNFTSEMIHNVBPDSGNIRCSLONSRHLSAY-LTVQWNG 121
DB 159 -SPLKENSRIAYLE-----SGSLRIHVQKEDAGQYRCVAKNSL--CTAYSKVYKLEF 208
QY 122 ELFIPIVNLVAVNEB-----CEVTCLPSPHMTWLPDISW-ELGLVSHSSYFVPEP 172
DB 209 EVFARILRAPESHNTVFGSFVTLHCTATGIP-----VPIITWIENGNAVSSGSIQESVVD 263
QY 173 SLOQAVSLALTLPQSNGLTLCVAT-----WKSILKARKSATVNLTVIRCPDQDGGG 223
DB 264 RVIDSRLOLFTIKP--GLYTICIAITNKGKSTAKAAATISIAESKPKQKONKG 315

RESULT 11
US-08-977-767-3
; Sequence 3, Application US/08977767
; Patent No. 5972684
; GENERAL INFORMATION:
; APPLICANT: Bandman, Olga
; APPLICANT: Yue, Henry
; APPLICANT: Greenwald, Sara
; APPLICANT: Corley, Neil C.
; TITLE OF INVENTION: CARBONIC ANHYDRASE VIII
; NUMBER OF SEQUENCES: 3
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Incyte Pharmaceuticals, Inc.
; STREET: 3174 Porter Drive
; CITY: Palo Alto
; STATE: CA
; COUNTRY: USA
; ZIP: 94304
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; OPERATING SYSTEM: DOS
; SOFTWARE: FASTSEQ for Windows Version 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/977,767
; FILING DATE: Herewith
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```

CLASSIFICATION: 424
PRIOR APPLICATION DATA:
APPLICATION NUMBER:
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: Billings, Lucy J.
REGISTRATION NUMBER: 36,749
REFERENCE/DOCKET NUMBER: PF-0423 US
TELECOMMUNICATION INFORMATION:
TELEPHONE: 650-855-0555
TELEFAX: 650-845-4166
TELEX:
INFORMATION FOR SEQ ID NO: 3:
SEQUENCE CHARACTERISTICS:
LENGTH: 1345 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
IMMEDIATE SOURCE:
LIBRARY: GenBank
CLONE: 1532042
US-08-977-767-3

```

```

Query Match
Best Local Similarity 6.2%; Score 128.5; DB 2; Length 1345;
Matches 37; Conservative 1; Mismatches 41; Indels 33; Gaps 5;

QY 190 GTTTCVATWMSLKARSATVNLVIRCPDGTGGI-----NIRGVLSLPSLSPFTWTK 245
Db 414 GTTCTGT-----GC-CGTGGAGAGCTCAGAGCCCGGTGATGTGGA 455
QY 246 VEGLAGTWMLLT-PTCTLTIRCCCRRCGCGCCGCCRC-----CFCC 286
Db 456 CGTGAAGAGGCTCTATGACCCCTTCTGCGCCCTCTGAGACTCAGACAC 507

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```

RESULT 12
US-09-917-254-92
Sequence 92, Application US/09917254
Patent No. 6703204
GENERAL INFORMATION:
APPLICANT: Muller, George
APPLICANT: Bahk, Jan
FILE REFERENCE: B08017224(JRV)
CURRENT APPLICATION NUMBER: US/09/917,254
CURRENT FILING DATE: 2001-07-27
PRIOR APPLICATION NUMBER: US 60/222,093
PRIOR FILING DATE: 2000-07-28
NUMBER OF SEQ ID NOS: 102
SOFTWARE: PatentIn version 3.0
SEQ ID NO 92
LENGTH: 1953
TYPE: PRT
ORGANISM: Homo Sapiens
US-09-917-254-92

```

```

Query Match
Best Local Similarity 6.0%; Score 126; DB 4; Length 1953;
Matches 86; Conservative 58; Mismatches 149; Indels 130; Gaps 19;

QY 24 PGNARVLGSGQARFNCTVSGM--KLIMWALSDWVLSVPMPIITINDFTSGRIYDGG 81
Db 78 PRNLCKIKGATAKKEGRV-RGYPEPQYTMH-----RNGQPIITSGRFL--LDGGI 124
QY 82 NPTSEMIIHNVPEPDSGNIRCSLQNSRLHGSAYLTVGV-----MGEL 123
Db 125 RGTSLVIHAHVEHEDRGKYTEATNG--SGARQYTVLTVGSRPAKQGPVSVKTLGDR 182
QY 124 FI-----PSV-----NLVAENE-----PCEVTLPSHMTWLPDISWELG- 158
Db 183 FSAASAVETRESIMCECPKATKLGKRVVAVREGQWGRFSCKITGRPO-----PQVTWLMKGN 237

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QY 159 LTVSHSYTFYFPEPDDLSAVSLALTPOSGNTLTCTVATWMSLKARSA-----TVN 210
Db 238 VPLQSPARVSEKNGW-VLEIHGVNDQDVGVYTCILVNSGSAASLISQGLDSAN 296
QY 211 LTVIRCPDPTGGGI-----NIRGVLSLPSLSPFTWTKVGLAGTWMLTPTCTLTIR 265
Db 297 RSFVRETATNSDVAKETVNIISKESKLDL-----327
QY 266 CCCCRRCGCGNCCGCCFCCRRKRGFRIOFOKSEKTKETESGNE-----SGYNS 322
Db 328 -----EAAKSKNCSPPQRGSPWMAANSQP-P-RESKLESCKDSPRTAPQTP 375
QY 323 DEQKTTDPSLPPKSCSSDEQORNSCGPEHQAQDOR-----PPRASHQASNTLASPE 378
Db 376 VLQKTSSTITQAAARVQ---PEPRAPGLGVLSGSEERKAPAPRPATPFTROPGLGSD 432
QY 379 KVS 381
Db 433 VVS 435

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RESULT 13
US-09-651-200-2
Sequence 2, Application US/09651200
Patent No. 6429303
GENERAL INFORMATION:
APPLICANT: Green et al
FILE OF INVENTION: Polynucleotides Encoding Members of the Human B
FILE OF INVENTION: Lymphocyte Activation Antigen B-7 Family and
FILE OF INVENTION: Polypeptides Encoded thereby
FILE REFERENCE: 15966-562 (CURA-62)
CURRENT APPLICATION NUMBER: US/09/651,200
CURRENT FILING DATE: 2000-08-30
PRIOR APPLICATION NUMBER: 60/152383
PRIOR FILING DATE: 1999-09-03
PRIOR APPLICATION NUMBER: 60/172909
PRIOR FILING DATE: 1999-12-21
PRIOR APPLICATION NUMBER: 60/183578
PRIOR FILING DATE: 2000-02-18
NUMBER OF SEQ ID NOS: 25
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 2
LENGTH: 340
TYPE: PRT
ORGANISM: Homo sapiens
US-09-651-200-2

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```

Query Match
Best Local Similarity 5.9%; Score 123.5; DB 4; Length 340;
Matches 78; Conservative 50; Mismatches 130; Indels 109; Gaps 17;

QY 11 PPGSGGNEVIEGPONARY-LKSGQARFNCTVS--QGWKL-----IMWALSDWVLSVPM 63
Db 45 PQRSPGAVEVOVPEDPVVALVGTDLHCSFSPGFSILQNLIMWLTDTKQLV----- 100
QY 64 EPIITNDRTSGRYDGGNF-----TSEMIIHNVPEPDSGNIRCSLQNSRL 109
Db 101 -----HSTTRGR-DQSAIYANRTALPPDLAOGNASIRLQRYVADEGSPFTCEV-SIRD 152
QY 110 HGSAYLTVQVNGELFIPSNLV-----VAENPECEVTCPSHMTWLP--DISMELG---L 160
Db 153 FGSAAVSLQVAAPYKPSMTLEPNKDLRPDVTIITC--SSRYGPAEAVWQDQGVPL 210
QY 161 VSHSYFYFPEPDDLSAVSLALTPOSGNTLTCTVATWMSLKARSAATVNLTVIRCP-- 217
Db 211 TGNVTTQMANEBOGLFDVHSLRVLLANGTYSC-----LVRNPVLQ 252
QY 218 QDTGGGINIPGVLSLPSLSPFTWGVGLAGTWMLTPTCTLTIRCCGCCRRCCGN 277
Db 253 QDAGSVTITQPMTPPEAL-----WTVVGLSVCLTALLV-----288
QY 278 CCCRCFCRRKRGFRIOFOKSEKTKETETESGNEGNSGVNSDEQKTTDPSLPPKS 337

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Db      289  ---ALAFVCRK-----IKSCSEENAGAEDDG-----BEGSKTALQPKH 328
Qy      338  CESSDPE 344
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Db      329  SDSKEDD 335

RESULT 14
US-09-651-200-4
: Sequence 4, Application US/09651200
: Patent No. 6423303
: GENERAL INFORMATION:
: APPLICANT: Green et al
: TITLE OF INVENTION: Polynucleotides Encoding Members of the Human B
: TITLE OF INVENTION: Lymphocyte Activation Antigen B-7 Family and
: FILE REFERENCE: 15966-562 (CURA-62)
: CURRENT APPLICATION NUMBER: US/09/651,200
: CURRENT FILING DATE: 2000-08-30
: PRIOR APPLICATION NUMBER: 60/152383
: PRIOR FILING DATE: 1999-09-03
: PRIOR APPLICATION NUMBER: 60/172909
: PRIOR FILING DATE: 1999-12-21
: PRIOR APPLICATION NUMBER: 60/183578
: PRIOR FILING DATE: 2000-02-18
: NUMBER OF SEQ. ID NOS: 25
: SOFTWARE: Patentin Ver. 2.0
: SEQ ID NO 4
: LENGTH: 441
: TYPE: PRT
: ORGANISM: Homo sapiens
: US-09-651-200-4

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GenCore version 5.1.6
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OM protein - protein search, using sw model

Run on: February 22, 2005, 19:26:31 ; Search time 73.253 Seconds
(without alignments)
1724.366 Million cell updates/sec

Title: US-09-729-264-4

Perfect score: 2088

Sequence: 1 MYAGMKNRDPGSGSGNEV.....HQASPNLASPEKVSNTTVV 386

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 1380268 seqs, 327241040 residues

Total number of hits satisfying chosen parameters: 1380268

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Database : Published Applications AA.*

1: /cgn2_6/ptodata/2/pubpaa/US07_PUBCOMB.pep.*
2: /cgn2_6/ptodata/2/pubpaa/PCT_NEW_PUB.pep.*
3: /cgn2_6/ptodata/2/pubpaa/US06_NEW_PUB.pep.*
4: /cgn2_6/ptodata/2/pubpaa/US06_PUBCOMB.pep.*
5: /cgn2_6/ptodata/2/pubpaa/US07_NEW_PUB.pep.*
6: /cgn2_6/ptodata/2/pubpaa/PCTUS_PUBCOMB.pep.*
7: /cgn2_6/ptodata/2/pubpaa/US08_NEW_PUB.pep.*
8: /cgn2_6/ptodata/2/pubpaa/US08_PUBCOMB.pep.*
9: /cgn2_6/ptodata/2/pubpaa/US09_PUBCOMB.pep.*
10: /cgn2_6/ptodata/2/pubpaa/US09B_PUBCOMB.pep.*
11: /cgn2_6/ptodata/2/pubpaa/US09C_PUBCOMB.pep.*
12: /cgn2_6/ptodata/2/pubpaa/US09_NEW_PUB.pep.*
13: /cgn2_6/ptodata/2/pubpaa/US10A_PUBCOMB.pep.*
14: /cgn2_6/ptodata/2/pubpaa/US10B_PUBCOMB.pep.*
15: /cgn2_6/ptodata/2/pubpaa/US10C_PUBCOMB.pep.*
16: /cgn2_6/ptodata/2/pubpaa/US10_PUBCOMB.pep.*
17: /cgn2_6/ptodata/2/pubpaa/US10_NEW_PUB.pep.*
18: /cgn2_6/ptodata/2/pubpaa/US11_NEW_PUB.pep.*
19: /cgn2_6/ptodata/2/pubpaa/US60_NEW_PUB.pep.*
20: /cgn2_6/ptodata/2/pubpaa/US60_PUBCOMB.pep.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	2000	95.8	407	US-10-104-047-3074	Sequence 3074, App
2	145.5	7.0	390	US-10-309-290-98	Sequence 98, App1
3	145.5	7.0	390	US-10-309-290-100	Sequence 100, App1
4	145.5	7.0	404	US-10-309-290-96	Sequence 96, App1
5	140	6.7	405	US-08-755-235-4	Sequence 4, App11
6	138.5	6.6	2473	US-10-184-644-559	Sequence 559, App
7	138.5	6.6	2473	US-10-184-644-559	Sequence 559, App
8	138	6.6	1477	US-10-274-583-20	Sequence 20, App1
9	138	6.6	1479	US-10-231-936A-325	Sequence 325, App
10	138	6.6	1496	US-10-021-660-125	Sequence 125, App1
11	138	6.6	1496	US-10-331-496A-28	Sequence 28, App1
12	138	6.6	1496	US-10-211-462-87	Sequence 87, App1
13	138	6.6	1498	US-10-243-552-899	Sequence 899, App

14	138	6.6	1498	US-10-276-774-1957	Sequence 1957, App
15	136	6.5	750	US-10-116-275-240	Sequence 240, App
16	132.5	6.3	869	US-10-016-283-33	Sequence 33, App1
17	132	6.3	633	US-10-180-410-26	Sequence 26, App1
18	131.5	6.3	869	US-09-817-487A-2	Sequence 2, App11
19	129	6.2	4675	US-10-093-463-74	Sequence 74, App1
20	129	6.2	4691	US-10-093-463-72	Sequence 72, App1
21	128.5	6.2	305	US-10-094-749-3018	Sequence 3018, App
22	128	6.1	592	US-10-180-410-2	Sequence 2, App11
23	128	6.1	592	US-10-312-528-2	Sequence 12, App11
24	128	6.1	594	US-10-180-410-12	Sequence 12, App1
25	128	6.1	594	US-10-312-528-12	Sequence 584, App
26	128	6.1	708	US-10-052-586-584	Sequence 584, App
27	128	6.1	708	US-10-176-580-584	Sequence 584, App
28	128	6.1	708	US-10-176-758-584	Sequence 584, App
29	128	6.1	708	US-10-175-737-584	Sequence 584, App
30	128	6.1	708	US-10-174-581-584	Sequence 584, App
31	128	6.1	708	US-10-176-483-584	Sequence 584, App
32	128	6.1	708	US-10-176-749-584	Sequence 584, App
33	128	6.1	708	US-10-176-914-584	Sequence 584, App
34	128	6.1	708	US-10-176-915-584	Sequence 584, App
35	128	6.1	708	US-10-180-552-584	Sequence 584, App
36	128	6.1	708	US-10-175-738-584	Sequence 584, App
37	128	6.1	708	US-10-175-732-584	Sequence 584, App
38	128	6.1	708	US-10-176-482-584	Sequence 584, App
39	128	6.1	708	US-10-176-757-584	Sequence 584, App
40	128	6.1	708	US-10-176-913-584	Sequence 584, App
41	128	6.1	708	US-10-180-552-584	Sequence 584, App
42	128	6.1	708	US-10-180-557-584	Sequence 584, App
43	128	6.1	708	US-10-173-700-584	Sequence 584, App
44	128	6.1	708	US-10-174-572-584	Sequence 584, App
45	128	6.1	708	US-10-174-579-584	Sequence 584, App

ALIGNMENTS

RESULT 1
US-10-104-047-3074
; Sequence 3074, Application US/10104047
; Publication No. US20030236392A1
; GENERAL INFORMATION:
; APPLICANT: HELIX RESEARCH INSTITUTE
; TITLE OF INVENTION: NO. US20030236392A1e1 full length cDNA
; FILE REFERENCE: H1-A0105
; CURRENT APPLICATION NUMBER: US/10/104,047
; CURRENT FILING DATE: 2002-03-25
; PRIOR APPLICATION NUMBER:
; NUMBER OF SEQ ID NOS: 4096
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 3074
; LENGTH: 407
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-104-047-3074

Query Match	95.8%	Score 2000;	DB 15;	Length 407;
Best Local Similarity	99.2%	Pred. No. 36-158;		
Matches 371;	Conservative	1;	Mismatches 2;	Indels 0; Gaps 0;
QY	13	GGSGNEVELEGQNAVLKGSQARFCTYSQGWKIMALSDMVVLSVAPMEPIITNDRF	72	
DB	34	GGSGNEVELEGQNAVLKGSQARFCTYSQGWKIMALSDMVVLSVAPMEPIITNDRF	93	
QY	72	TSQRDQGNFTSEMIINHVPSDSGNIRCSLQNSRLGSAVLTQVWGMELTPSVNLV	132	
DB	94	TSQRDQGNFTSEMIINHVPSDSGNIRCSLQNSRLGSAVLTQVWGMELTPSVNLV	153	
QY	133	AENPECVTCPLDSHWTLVDISWELGLVSHSYYFVPEPSDQSAVSLALTPQNGTL	192	
DB	154	AENPECVTCPLDSHWTLVDISWELGLVSHSYYFVPEPSDQSAVSLALTPQNGTL	213	

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QY 193 TCVATWKSILKRSKATVNLTVIRCPDPTGGGGINIPGVLSLPSLPSLPTWKGVLGLAG 252
DB 214 TCVATWKSILKRSKATVNLTVIRCPDPTGGGGINIPGVLSLPSLPSLPTWKGVLGLAG 273
QY 253 TMLTPTCTLTIRCCCCRRCCGCCGCCRCRCRKRFRIOFOKSKETKNETETE 312
DB 274 TMLTPTCTLTIRCCCCRRCCGCCGCCRCRCRKRFRIOFOKSKETKNETETE 333
QY 313 SGNENSGYNDEKKTDTASTLPKSCSSDPEQRNNSCGPPHQRADQRPAPSHPOASF 372
DB 334 SGNENSGYNDEKKTDTASTLPKSCSSDPEQRNNSCGPPHQRADQRPAPSHPOASF 393
QY 373 NLASPEKVSNTTVV 386
DB 394 NLASPEKVSNTTVV 407

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RESULT 2

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US-10-309-290-98
/ Sequence 98, Application US/10309290
/ Publication No. US20040023241A1
/ GENERAL INFORMATION:
/ APPLICANT: Alsobrook II, John P.
/ APPLICANT: Anderson, David W.
/ APPLICANT: Boldog, Ferenc L.
/ APPLICANT: Burgess, Catherine E.
/ APPLICANT: Chilikuru, Rajeev A.
/ APPLICANT: Edinger, Shlomit R.
/ APPLICANT: Gerlach, Valerie L.
/ APPLICANT: Gorman, Linda
/ APPLICANT: Gould-Rothberg, Bonnie E.
/ APPLICANT: Guo, Xiaojia
/ APPLICANT: Jeffers, Michael E.
/ APPLICANT: Li, WeiZhen
/ APPLICANT: Li, Li
/ APPLICANT: Malyankar, Uriel M.
/ APPLICANT: Miller, Charles E.
/ APPLICANT: Murphy, Ryan
/ APPLICANT: Paturajan, Meera
/ APPLICANT: Peyman, John A.
/ APPLICANT: Rastelli, Luca
/ APPLICANT: Rieger, Daniel K.
/ APPLICANT: Shenoy, Suresh G.
/ APPLICANT: Smithson, Glenda
/ APPLICANT: Starling, Gary
/ APPLICANT: Taupier, Raymond J.
/ APPLICANT: Voss, Edward Z.
/ APPLICANT: Zhong, Haihong
/ TITLE OF INVENTION: THERAPEUTIC POLYPEPTIDES, NUCLEIC ACIDS ENCODING SAME, AND METHOD
/ FILE REFERENCE: 21402-502A
/ CURRENT APPLICATION NUMBER: US/10/309,290
/ CURRENT FILING DATE: 2002-12-02
/ PRIOR APPLICATION NUMBER: 60/336,600
/ PRIOR FILING DATE: 2001-12-05
/ PRIOR APPLICATION NUMBER: 60/338,285
/ PRIOR FILING DATE: 2001-12-07
/ PRIOR APPLICATION NUMBER: 60/341,346
/ PRIOR FILING DATE: 2001-12-12
/ PRIOR APPLICATION NUMBER: 60/341,477
/ PRIOR FILING DATE: 2001-12-17
/ PRIOR APPLICATION NUMBER: 60/341,540
/ PRIOR FILING DATE: 2001-12-17
/ PRIOR APPLICATION NUMBER: 60/342,552
/ PRIOR FILING DATE: 2001-12-20
/ PRIOR APPLICATION NUMBER: 60/344,297
/ PRIOR FILING DATE: 2001-12-27
/ PRIOR APPLICATION NUMBER: 60/344,903
/ PRIOR FILING DATE: 2001-12-31
/ PRIOR APPLICATION NUMBER: 60/373,288
/ PRIOR FILING DATE: 2002-04-17
/ PRIOR APPLICATION NUMBER: 60/380,981
/ PRIOR FILING DATE: 2002-05-15

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/ Remaining Prior Application data removed - See File Wrapper or PALM.
/ NUMBER OF SEQ ID NOS: 274
/ SOFTWARE: Curescript version 0.1
/ SEQ ID NO 98
/ LENGTH: 390
/ TYPE: PRT
/ ORGANISM: Homo sapiens
US-10-309-290-98

```

```

Query Match 7.0%; Score 145.5; DB 15; Length 390;
Best Local Similarity 23.5%; Pred. No. 0.0014;
Matches 77; Conservative 34; Mismatches 94; Indels 123; Gaps 15;

```

```

QY 64 EPIITNDRTS-----QRYDQGNFT--SEMIHNVEPSDSGNIR-----CSIQNSRLHGS 112
DB 148 KPLVNEKGVSVKQOTRRHHPETGLFTQSEIM--VTPARGDPRPFPSCSPGLPRHR 204
QY 113 AYLTVQVNGELFIP---SVNLVAENEP-----CEVTCILPSHWTMLPDIS 154
DB 205 ALRTAPIQPRVMEVPLEEVQLV--EPGGAVARCVTLTTCVPAOPS-----PQIH 256
QY 155 MELGLVSHSYVVPVPSDLQSAVSTIALTPQSNGLTCVATWKSILKRSKATVNLTVI 214
DB 257 WKKD-----GVPLPLPPSPVLLIPEIGPDQGYSCVATHSHSGPESRAVSIIT 307
QY 215 RCPDPTGGGGINIPGVLSLPSLPSLPTWKGVLGLAGTMLT-----PTCTLTIRCC 267
DB 308 E-PGEEG-----PIASVSGSLGTALALGILGLGTALILGVI 347
QY 268 CRRRCGCCGCCRCRCHCRRKRKGFRIQFOKSEKKT--NKETESGNENSGYNSEBQ 325
DB 348 LMQRR-----QRRGEERKAPENGEERERAEIN----- 375
QY 326 KTTDTASTLPKSCSSDPEQRNNSCGPP 353
DB 376 -----QSEEPNAGSSITGCP 390

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RESULT 3

```

US-10-309-290-100
/ Sequence 100, Application US/10309290
/ Publication No. US20040023241A1
/ GENERAL INFORMATION:
/ APPLICANT: Alsobrook II, John P.
/ APPLICANT: Anderson, David W.
/ APPLICANT: Boldog, Ferenc L.
/ APPLICANT: Burgess, Catherine E.
/ APPLICANT: Chilikuru, Rajeev A.
/ APPLICANT: Edinger, Shlomit R.
/ APPLICANT: Gerlach, Valerie L.
/ APPLICANT: Gorman, Linda
/ APPLICANT: Gould-Rothberg, Bonnie E.
/ APPLICANT: Guo, Xiaojia
/ APPLICANT: Jeffers, Michael E.
/ APPLICANT: Li, WeiZhen
/ APPLICANT: Li, Li
/ APPLICANT: Malyankar, Uriel M.
/ APPLICANT: Miller, Charles E.
/ APPLICANT: Murphy, Ryan
/ APPLICANT: Paturajan, Meera
/ APPLICANT: Peyman, John A.
/ APPLICANT: Rastelli, Luca
/ APPLICANT: Rieger, Daniel K.
/ APPLICANT: Shenoy, Suresh G.
/ APPLICANT: Smithson, Glenda
/ APPLICANT: Starling, Gary
/ APPLICANT: Taupier, Raymond J.
/ APPLICANT: Voss, Edward Z.
/ APPLICANT: Zhong, Haihong
/ TITLE OF INVENTION: THERAPEUTIC POLYPEPTIDES, NUCLEIC ACIDS ENCODING SAME, AND METHOD
/ FILE REFERENCE: 21402-502A
/ CURRENT APPLICATION NUMBER: US/10/309,290

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CURRENT FILING DATE: 2002-12-02
PRIOR APPLICATION NUMBER: 60/336,600
PRIOR FILING DATE: 2001-12-05
PRIOR APPLICATION NUMBER: 60/338,285
PRIOR FILING DATE: 2001-12-07
PRIOR APPLICATION NUMBER: 60/341,346
PRIOR FILING DATE: 2001-12-12
PRIOR APPLICATION NUMBER: 60/341,477
PRIOR FILING DATE: 2001-12-17
PRIOR APPLICATION NUMBER: 60/341,540
PRIOR FILING DATE: 2001-12-17
PRIOR APPLICATION NUMBER: 60/342,592
PRIOR FILING DATE: 2001-12-20
PRIOR APPLICATION NUMBER: 60/344,297
PRIOR FILING DATE: 2001-12-27
PRIOR APPLICATION NUMBER: 60/344,903
PRIOR FILING DATE: 2001-12-31
PRIOR APPLICATION NUMBER: 60/373,288
PRIOR FILING DATE: 2002-04-17
PRIOR APPLICATION NUMBER: 60/380,981
PRIOR FILING DATE: 2002-05-15
Remaining prior application data removed - See file wrapper or PALM.
NUMBER OF SEQ ID NOS: 274
SOFTWARE: CuraseqList version 0.1
SEQ ID NO 100
LENGTH: 390
TYPE: PRT
ORGANISM: Homo sapiens
US-10-309-290-100

Query Match
Best Local Similarity 23.5%; Score 145.5; DB 15; Length 390;
Matches 77; Conservative 34; Mismatches 94; Indels 123; Gaps 15;

64 EPIITNDRTS-----QRYDOGNFT--SEMIHNVPEPSDGNIR-----CSLONSLHGS 112
148 KPLVPEKGVSVKEQRRHPETGLFLOSLM---VTPARGDPRPTFSCSPGLPRHR 204
QY 113 AYLTVQVMGELFLP-----SVNLVVAENP-----CEVTCLPSSHMTWLPDIS 154
DB 205 AARTAPIQPRVMEPVLEEVQLV---EPGGAVARCGVTTLCEVPAPPS-----PQIH 256
QY 155 WEIGLLVSHSSYYFVPEPSDLOSAVSIALTPOSGNGLTCVATWMSLKARSAVNLTVI 214
DB 257 WKMD-----GVPLPLPSPVLLPEIGPDQGYSCVATHSHGPOESRAVISIT 307
QY 215 RCPDPTGGGINIPGVLSLPSLGFSLPTWGXVGLAGTMLT-----PTCTLTIRCC 267
DB 308 E-PGEG-----PTAGSVGSGGLTALALGILGLGTAALLIGVI 347
QY 268 CRRRCGCCNCCRCRCRCRRKGRFRIQPKSEKEXT--NKETETSGNENSGYNSDEQ 325
DB 348 LMQRR-----QRGEERKAPENQEEERAEALN----- 375
QY 326 KTDTSALPPKSCSSDPEQRNSSCGPP 353
DB 376 -----QSEEPKAGSSSTGPP 390

RESULT 4
US-10-309-290-96
Sequence 96, Application US/10309290
Publication No. US20040023241A1
GENERAL INFORMATION:
APPLICANT: Alsobrook II, John P.
APPLICANT: Anderson, David W.
APPLICANT: Boldog, Ferenc L.
APPLICANT: Burgess, Catherine E.
APPLICANT: Chilikurno, Rajeev A.
APPLICANT: Edinger, Shlomit R.
APPLICANT: Gerlach, Valerie L.
APPLICANT: Gorman, Linda
APPLICANT: Gould-Rothberg, Bonnie E.

APPLICANT: Guo, Xiaojia
APPLICANT: Jeffers, Michael E.
APPLICANT: Ji, Weizhen
APPLICANT: Li, Li
APPLICANT: Malyankar, Uriel M.
APPLICANT: Miller, Charles E.
APPLICANT: Murphy, Ryan
APPLICANT: Ratturajan, Meera
APPLICANT: Reymann, John A.
APPLICANT: Rastelli, Luca
APPLICANT: Rieger, Daniel K.
APPLICANT: Shenoy, Suresh G.
APPLICANT: Smithson, Glenda
APPLICANT: Starling, Gary
APPLICANT: Taupier, Raymond J.
APPLICANT: Voss, Edward Z.
APPLICANT: Zhong, Haihong
APPLICANT: Zhong, Mei
TITLE OF INVENTION: THERAPEUTIC POLYPEPTIDES, NUCLEIC ACIDS ENCODING SAME, AND METHODS
FILE REFERENCE: 21402-502A
CURRENT APPLICATION NUMBER: US/10/309,290
CURRENT FILING DATE: 2002-12-02
PRIOR APPLICATION NUMBER: 60/336,600
PRIOR FILING DATE: 2001-12-05
PRIOR APPLICATION NUMBER: 60/338,285
PRIOR FILING DATE: 2001-12-07
PRIOR APPLICATION NUMBER: 60/341,346
PRIOR FILING DATE: 2001-12-12
PRIOR APPLICATION NUMBER: 60/341,477
PRIOR FILING DATE: 2001-12-17
PRIOR APPLICATION NUMBER: 60/341,540
PRIOR FILING DATE: 2001-12-17
PRIOR APPLICATION NUMBER: 60/342,592
PRIOR FILING DATE: 2001-12-20
PRIOR APPLICATION NUMBER: 60/344,297
PRIOR FILING DATE: 2001-12-27
PRIOR APPLICATION NUMBER: 60/344,903
PRIOR FILING DATE: 2001-12-31
PRIOR APPLICATION NUMBER: 60/373,288
PRIOR FILING DATE: 2002-04-17
PRIOR APPLICATION NUMBER: 60/380,981
PRIOR FILING DATE: 2002-05-15
Remaining prior application data removed - See file wrapper or PALM.
NUMBER OF SEQ ID NOS: 274
SOFTWARE: CuraseqList version 0.1
SEQ ID NO 96
LENGTH: 404
TYPE: PRT
ORGANISM: Homo sapiens
US-10-309-290-96

Query Match
Best Local Similarity 23.5%; Score 145.5; DB 15; Length 404;
Matches 77; Conservative 34; Mismatches 94; Indels 123; Gaps 15;

64 EPIITNDRTS-----QRYDOGNFT--SEMIHNVPEPSDGNIR-----CSLONSLHGS 112
162 KPLVPEKGVSVKEQRRHPETGLFLOSLM---VTPARGDPRPTFSCSPGLPRHR 218
QY 113 AYLTVQVMGELFLP-----SVNLVVAENP-----CEVTCLPSSHMTWLPDIS 154
DB 219 AARTAPIQPRVMEPVLEEVQLV---EPGGAVARCGVTTLCEVPAPPS-----PQIH 270
QY 155 WEIGLLVSHSSYYFVPEPSDLOSAVSIALTPOSGNGLTCVATWMSLKARSAVNLTVI 214
DB 271 WKMD-----GVPLPLPSPVLLPEIGPDQGYSCVATHSHGPOESRAVISIT 321
QY 215 RCPDPTGGGINIPGVLSLPSLGFSLPTWGXVGLAGTMLT-----PTCTLTIRCC 267
DB 322 E-PGEG-----PTAGSVGSGGLTALALGILGLGTAALLIGVI 361
QY 268 CRRRCGCCNCCRCRCRCRRKGRFRIQPKSEKEXT--NKETETSGNENSGYNSDEQ 325

Db 362 LMQR-----ORGBERKAPENQEEERAEIN----- 389
 QY 326 KTTDTASLPKSCSSSDPEQNNSSCGPP 353
 Db 390 -----QSEEPAGESSSTGCP 404

RESULT 5

US-08-755-235-4
 ; Sequence 4, Application US/08755235
 ; Publication No. US20030059423A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Stern, David M.
 ; APPLICANT: Schmidt, Ann Marie
 ; APPLICANT: Wu, Jun
 ; TITLE OF INVENTION: METHOD FOR TREATING SYMPTOMS OF DIABETES
 ; FILE REFERENCE: 0575/50159
 ; CURRENT APPLICATION NUMBER: US/08/755,235
 ; CURRENT FILING DATE: 1996-11-22
 ; NUMBER OF SEQ ID NOS: 4
 ; SOFTWARE: PatentIn version 3.1
 ; SEQ ID NO 4
 ; LENGTH: 405
 ; TYPE: PRT
 ; ORGANISM: Human
 US-08-755-235-4

Query Match
 Best Local Similarity 23.7%; Score 140; DB 8; Length 405;
 Matches 78; Conservative 34; Mismatches 93; Indels 124; Gaps 16;

QY 64 EPIITNDRTS-----QRYDOGNFT--SEMIHNVPEPSDSGNIR-----CSIQNSRLHSS 112
 Db 162 KPLVPEKGVSVAEQRRHPEITGLTLOSELM---VTPARGDPRTFSGSPGLPRHR 218
 QY 113 AYITVQVMEFLP---SYNLVVAENP-----CEVTLCPSHMTWLPDIS 154
 Db 219 ALRTAFIQPRWMBPVLEEVOLVV---EPEGGAVAPGGTIVTLCEVPAPQS-----PQIH 270
 QY 155 WEGLLVSHSYFYVEPSDLOSAVSIALTPOSNGLTCAVATWKSILKARKS-ATVNTLV 213
 Db 271 WMKD-----GVLPPLPSPVILPEIGPODQTVSCVATSHSHGQESRAVVISI 321
 QY 214 IRCPDGTGGGINIPGVLSLPSLGFSLPTWGVGLGAGTMLT-----PTCTLTIRC 266
 Db 322 IR-PGSEG-----PTAGSVGSGGLTALALGILGGLTALLIGV 361
 QY 267 CCCRRCCGCCGCCRCFCRCRKRGRIOFOKSEKERT--NKETETSGNENSGVNSDE 324
 Db 362 ILMQR-----ORGBERKAPENQEEERAEIN----- 390
 QY 325 QKTTDTASLPKSCSSSDPEQNNSSCGPP 353
 Db 391 -----QSEEPAGESSSTGCP 405

RESULT 6

US-10-184-644-559
 ; Sequence 559, Application US/10184644
 ; Publication No. US2003004930A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Baker, Kevin P.
 ; APPLICANT: Chen, Jian
 ; APPLICANT: Desnoyers, Luc
 ; APPLICANT: Goddard, Audrey
 ; APPLICANT: Godowski, Paul J.
 ; APPLICANT: Gurney, Austin L.
 ; APPLICANT: Pan, James
 ; APPLICANT: Smith, Victoria
 ; APPLICANT: Watanabe, Colin K.
 ; APPLICANT: Wood, William I.
 ; APPLICANT: Zhang, Zemin
 ; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC

; TITLE OF INVENTION: ACIDS ENCODING THE SAME
 ; FILE REFERENCE: P3430R1C227
 ; CURRENT APPLICATION NUMBER: US/10/184,644
 ; CURRENT FILING DATE: 2002-06-28
 ; Prior Application removed - See File Wrapper or Palm
 ; NUMBER OF SEQ ID NOS: 612
 ; SEQ ID NO 559
 ; LENGTH: 2473
 ; TYPE: DNA
 ; ORGANISM: Homo Sapien
 US-10-184-644-559

Query Match
 Best Local Similarity 29.5%; Score 138.5; DB 14; Length 2473;
 Matches 31; Conservative 3; Mismatches 36; Indels 35; Gaps 2;

QY 183 ALTPQSNGLTCAVATWKSILKARKSATVNLTVIRCPDGTGGGINIPGVLSLPSLGFSLPT 242
 Db 2274 AATGGAAGTTCAATTAAATTATATATGTTCC----- 2307
 QY 243 WGVVGLAGTMTLPTCTLTIRCCCR-RRCCGNCRCRCRCC 286
 Db 2308 -----ATTCCATGCGCCACCACCCCGCCGCCACACCC 2344

RESULT 7

US-10-184-634-559
 ; Sequence 559, Application US/10184634
 ; Publication No. US2003006868A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Baker, Kevin P.
 ; APPLICANT: Chen, Jian
 ; APPLICANT: Desnoyers, Luc
 ; APPLICANT: Goddard, Audrey
 ; APPLICANT: Godowski, Paul J.
 ; APPLICANT: Gurney, Austin L.
 ; APPLICANT: Pan, James
 ; APPLICANT: Smith, Victoria
 ; APPLICANT: Watanabe, Colin K.
 ; APPLICANT: Wood, William I.
 ; APPLICANT: Zhang, Zemin
 ; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC

; FILE REFERENCE: P3430R1C217
 ; CURRENT APPLICATION NUMBER: US/10/184,634
 ; CURRENT FILING DATE: 2002-06-28
 ; Prior Application removed - See File Wrapper or Palm
 ; NUMBER OF SEQ ID NOS: 612
 ; SEQ ID NO 559
 ; LENGTH: 2473
 ; TYPE: DNA
 ; ORGANISM: Homo Sapien
 US-10-184-634-559

Query Match
 Best Local Similarity 29.5%; Score 138.5; DB 14; Length 2473;
 Matches 31; Conservative 3; Mismatches 36; Indels 35; Gaps 2;

QY 183 ALTPQSNGLTCAVATWKSILKARKSATVNLTVIRCPDGTGGGINIPGVLSLPSLGFSLPT 242
 Db 2274 AATGGAAGTTCAATTAAATTATATATGTTCC----- 2307
 QY 243 WGVVGLAGTMTLPTCTLTIRCCCR-RRCCGNCRCRCRCC 286
 Db 2308 -----ATTCCATGCGCCACCACCCCGCCGCCACACCC 2344

RESULT 8

US-10-274-583-20
 ; Sequence 20, Application US/10274583
 ; Publication No. US20030138431A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Exelixis, Inc.

```

: TITLE OF INVENTION: LRRCAPS AS MODIFIERS OF THE p53 PATHWAY AND METHODS OF USE
: FILE REFERENCE: EX02-119C
: CURRENT APPLICATION NUMBER: US/10/274,583
: CURRENT FILING DATE: 2002-10-21
: PRIOR APPLICATION NUMBER: 60/338,733
: PRIOR FILING DATE: 2001-10-22
: PRIOR APPLICATION NUMBER: 60/357,600
: PRIOR FILING DATE: 2002-02-15
: PRIOR APPLICATION NUMBER: 60/361,196
: PRIOR FILING DATE: 2002-03-01
: NUMBER OF SEQ ID NOS: 24
: SOFTWARE: PatentIn version 3.1
: SEQ ID NO 20
: LENGTH: 1477
: TYPE: PRT
: ORGANISM: Homo sapiens
US-10-274-583-20

```

Query Match	6.6%	Score 138;	DB 14;	Length 1477;
Best Local Similarity	25.1%;	Pred. No. 0.032;		
Matches 78;	Conservative 38;	Mismatches 127;	Indels 68;	Gaps 17;

[illegible]

RESULT 9
US-10-231-956A-325

```

1  # Publication No.: US20040053333A1
2  # GENERAL INFORMATION:
3  APPLICANT: Lorens, James B.
4  APPLICANT: Xu, Weiduan
5  APPLICANT: Bogenberger, Jakob
6  APPLICANT: Holland, Sacha
7  APPLICANT: Rigel Pharmaceuticals, Incorporated
8  TITLE OF INVENTION: Modulators of Angiogenesis
9  FILE REFERENCE: 021044-004100US
10 CURRENT APPLICATION NUMBER: US/10/231,956A
11 CURRENT FILING DATE: 2001-08-30
12 NUMBER OF SEQ ID NOS: 522
13 SOFTWARE: FastSeq for Windows Version 3.0
14 SEQ ID NO 325
15 LENGTH: 1479
16 TYPE: prt
17 ORGANISM: Homo sapiens
18 US-10-231-956A-325

```

Query Match	6.6%;	Score 138;	DB 15;	Length 1479;
Best Local Similarity	25.1%;	Pred. No. 0.032;		
Matches	78;	Conservative	38;	Mismatches 127;
			Indels	68;
			Gaps	17

```

0Y 2 VAGANENDDP-----GSSGMEVIGPPONARVLKSSQAFNCTVS-OGKMLIMMALSIDWV 56
Db 322 VAEVKYOEVLIRYFGSPARPFVYIQPONTVELVBEVSTLECSATGHPRRPISMTGDRTP 381
0Y 57 VLSVPMPEIITNDRTSQRYDOGNFTSEMIHNHVPESDGNIRCSLONS--RLHGSAY 114
Db 382 FLVPDRNRNIIPS-----GG-----LTIQNVGSDSEBYACSAIINIDSVHATAF 426
0Y 115 LTVQVMGELFIPSVNLVVAENE---PCBVTCLP8HMTWLPIISW-ELGILVSHSSYYEY 169
Db 427 IIVALLPQFTVTPQQRVVIEGQTVDFQCEBAKNPP-----PYIAWTKGSSQSLVDRRHLV 481
0Y 170 PEP8LQSAVSLIATP8SNGTLTCAVATWKSIAKAKSATVNTLV-----IRCPQDT- 220
Db 482 L8SGTLR--ISGVALHDC--GOYEQAA--NIISQKVVAAHLTVOPRVTPVPASIPSDYT 535
0Y 221 ---GGGINIPGLSL8PL8GFLP--TWGKVGLG--AGTMLLTPTCTLT----- 264
Db 536 VEVGANNVLP-----CSSQGEPEPAITWKNQDGVQYTESGKPHISPEGFLTLINDVGPADAG 590
0Y 265 RCCCCRRRCG 275
Db 591 RYECVARNITIG 601

```

RESULT 10
US-10-021-660-125
; Sequence 125, Application US/10021660
; Publication No. US20030152926A1
; Publication No. US20030152926A1

```

/ APPLICANT: Murray, Richard
/ APPLICANT: Glynn, Richard
/ APPLICANT: Watson, Susan R.
/ APPLICANT: EOS Biotechnology, Inc.
/ TITLE OF INVENTION: No. US2003015226A1e1 Methode of Diagnosis of Angiogenesis,
/ TITLE OF INVENTION: Compositions and Methods of Screening for Angiogenesis
/ TITLE OF INVENTION: Modulators
/ FILE REFERENCE: 018501-000710US
/ CURRENT APPLICATION NUMBER: US/10/021,660
/ CURRENT FILING DATE: 2001-12-06
/ PRIOR APPLICATION NUMBER: US/09/784,356
/ PRIOR FILING DATE: 2001-02-14
/ PRIOR APPLICATION NUMBER: US 09/637,977
/ PRIOR FILING DATE: 2000-08-11
/ NUMBER OF SEQ ID NOS: 135
/ SOFTWARE: FastSeq for Windows Version 3.0
/ SEQ ID NO 125
/ LENGTH: 1496
/ TYPE: PRT
/ ORGANISM: Homo sapiens
US-10-021-660-125

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Query Match	6.6%	Score 138;	DB 14;	Length 1496;
Best Local Similarity	25.1%;	Pred. No. 0.033;		
Matches	78;	Conservative	38;	Mismatches 127;
			Indels	68;
			Gaps	17;

```

OY      2  JAGMKNRDP-----GSSGNEVIEGPNARLKSGQARFNCTVS-QGKMLTMALSDMV 56
Db      339 VAGEKIOEVLTRKFGSPARPFTVLOPONTEVLVBESVTLBSCATGHPPRPISTWTKGDT 398
OY      57  VLSVRPMEPIITNDREFTSQRYDOGNFTSEMIHNHVBPSDGNIRCSLONS--RLHGSAY 114
Db      399 PLVPDRNRNIPPS-----GG-----LTIQNVVQGDSEBACSAATNIDSVAHTAF 443
OY      115 LTVQVMGELFIPSVNLVVAENE---PCEVTLCPBHMVWLPDISW-ELGLLYSHSRYTY 169
Db      444 IIVALLPFTVTPODRVVIEGQTVDPCEAKGNP-----PVIAMTKGGSQSLSDVRRLHY 498
OY      170 PEPDLOGAVALIATLPQSNGLTLCVATWTKSLKARKSATVNLTV-----IRCPQDT- 220
Db      499 LSSGLR--IGVALHDDQ--GOYEQAV--NIGSQVVAHHTVQPRVTPVVASISPDIT 552
OY      221 ---GGGINIPGVLSLPSLGFSLP--TWKXVGLG--AGTMLLPTCTLTIT----- 264

```

Db 553 VEVGANVQLP-----CSSQGEPEPAITWNKGVQVTESGKFHISBEGFLTINDVGPADAG 607
QY 265 RCCCCRRCCG 275
Db 608 RYECVARNITIG 618

RESULT 11

US-10-331-496A-28
; Sequence 28, Application US/10331496A
; Publication No. US20030228305A1
; GENERAL INFORMATION:
; APPLICANT: FRANTZ, GRETCHEN
; APPLICANT: HILLAN, KENNETH J.
; APPLICANT: PHILLIPS, HEIDI S.
; APPLICANT: POLAKIS, PAUL
; APPLICANT: SMITH, VICTORIA
; APPLICANT: SPENCER, SUSAN D.
; APPLICANT: WILLIAMS, P. MICKEY
; APPLICANT: WU, THOMAS D.
; APPLICANT: ZHANG, ZEMIN
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE DIAGNOSIS AND
; TITL OF INVENTION: TREATMENT OF TUMOR
; FILE REFERENCE: P5014R1-PCT
; CURRENT APPLICATION NUMBER: US/10/331,496A
; PRIOR FILING DATE: 2002-12-30
; PRIOR APPLICATION NUMBER: US 60/345,444
; PRIOR FILING DATE: 2002-01-02
; PRIOR APPLICATION NUMBER: US 60/351,885
; PRIOR FILING DATE: 2002-01-25
; PRIOR APPLICATION NUMBER: US 60/360,066
; PRIOR FILING DATE: 2002-02-25
; PRIOR APPLICATION NUMBER: US 60/362,004
; PRIOR FILING DATE: 2002-03-05
; PRIOR APPLICATION NUMBER: US 60/366,869
; PRIOR FILING DATE: 2002-03-20
; PRIOR APPLICATION NUMBER: US 60/366,284
; PRIOR FILING DATE: 2002-03-21
; PRIOR APPLICATION NUMBER: US 60/368,679
; PRIOR FILING DATE: 2002-03-28
; PRIOR APPLICATION NUMBER: US 60/404,809
; PRIOR FILING DATE: 2002-08-19
; PRIOR APPLICATION NUMBER: US 60/405,645
; PRIOR FILING DATE: 2002-08-21
; NUMBER OF SEQ ID NOS: 95
; SEQ ID NO 28
; LENGTH: 1496
; TYPE: PRT
; ORGANISM: Homo sapien
US-10-331-496A-28

Query Match 6.6%; Score 138; DB 15; Length 1496;
Best Local Similarity 25.1%; Pred. No. 0.033;
Matches 78; Conservative 38; Mismatches 127; Indels 68; Gaps 17;

QY 2 VAGAMENRDP-----GSGSGNEVIEGPONARVYKGSQARFNCTVS-QGKLIIMWALSDMV 56
Db 339 VAGEVKTQEVTLRYGSPARPTFVIQPNTEVLVGESEVTLSCSATGHPPTISWTRGDR 398
QY 57 VLSVRPMEPIITNDRFTSQRYDQGNFTSEMIHNHVEPSDSGNIRCSLONS--RLHGSAY 114
Db 399 PLPVPDRVNIITPS-----GG-----LYIQNVVQDSGEYACSAITNNIDSVHATAF 443
QY 115 LTVQVMGELFIPSVNLVVAENE---PCEVTCLPSHWTLPLDISW-ELGLIVSHSSYYFV 169
Db 444 IIVQALPQFTVTPQDRVVEIGQTVDFQCEAKGNP-----FVIAMTGGSGQLSDVRHLV 498
QY 170 PEPSDLOSASVIALTPQSNGLTICVATWKSILKARKSATVNLV-----IRCPQDT- 220
Db 499 LSSGTLR--ISGVALHDO--QGYEQAV--NIISQKVVAHLTVQRPVTPVFASISPDIT 552
QY 221 ---GGGINIPGVLSLPSLGFSLP--TWGKVLGL--AGTMLLTPCTTLT----- 264

Db 553 VEVGANVQLP-----CSSQGEPEPAITWNKGVQVTESGKFHISBEGFLTINDVGPADAG 607
QY 265 RCCCCRRCCG 275
Db 608 RYECVARNITIG 618

RESULT 12

US-10-211-462-87
; Sequence 87, Application US/10211462
; Publication No. US20040033495A1
; GENERAL INFORMATION:
; APPLICANT: Murray, Richard
; APPLICANT: Glynn, Richard
; APPLICANT: Watson, Susan R.
; APPLICANT: Aziz, Natasha
; APPLICANT: Eos Biotechnology, Inc.
; TITLE OF INVENTION: Methods of Diagnosis of Angiogenesis, Compositions and
; FILE REFERENCE: 018501-006200US
; CURRENT APPLICATION NUMBER: US/10/211,462
; PRIOR FILING DATE: 2003-02-13
; PRIOR APPLICATION NUMBER: US 09/784,356
; PRIOR FILING DATE: 2001-02-14
; PRIOR APPLICATION NUMBER: US 09/791,390
; PRIOR FILING DATE: 2001-02-22
; PRIOR APPLICATION NUMBER: US 60/310,025
; PRIOR FILING DATE: 2001-08-03
; PRIOR APPLICATION NUMBER: US 60/334,244
; PRIOR FILING DATE: 2001-11-29
; NUMBER OF SEQ ID NOS: 230
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 87
; LENGTH: 1496
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-211-462-87

Query Match 6.6%; Score 138; DB 15; Length 1496;
Best Local Similarity 25.1%; Pred. No. 0.033;
Matches 78; Conservative 38; Mismatches 127; Indels 68; Gaps 17;

QY 2 VAGAMENRDP-----GSGSGNEVIEGPONARVYKGSQARFNCTVS-QGKLIIMWALSDMV 56
Db 339 VAGEVKTQEVTLRYGSPARPTFVIQPNTEVLVGESEVTLSCSATGHPPTISWTRGDR 398
QY 57 VLSVRPMEPIITNDRFTSQRYDQGNFTSEMIHNHVEPSDSGNIRCSLONS--RLHGSAY 114
Db 399 PLPVPDRVNIITPS-----GG-----LYIQNVVQDSGEYACSAITNNIDSVHATAF 443
QY 115 LTVQVMGELFIPSVNLVVAENE---PCEVTCLPSHWTLPLDISW-ELGLIVSHSSYYFV 169
Db 444 IIVQALPQFTVTPQDRVVEIGQTVDFQCEAKGNP-----FVIAMTGGSGQLSDVRHLV 498
QY 170 PEPSDLOSASVIALTPQSNGLTICVATWKSILKARKSATVNLV-----IRCPQDT- 220
Db 499 LSSGTLR--ISGVALHDO--QGYEQAV--NIISQKVVAHLTVQRPVTPVFASISPDIT 552
QY 221 ---GGGINIPGVLSLPSLGFSLP--TWGKVLGL--AGTMLLTPCTTLT----- 264
Db 265 RCCCCRRCCG 275
Db 608 RYECVARNITIG 618

RESULT 13
US-10-243-552-899
; Sequence 899, Application US/10243552
; Publication No. US20030224379A1
; GENERAL INFORMATION:

Matches 62; Conservative 34; Mismatches 101; Indels 50; Gaps 10;

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Qy 9 RDPGSGSGNEV-----IEGPONARVLKGSQARFNCTVSQGW--KLIMW 50
Db 215 RNPASSRTGNEAEVRILSDPGLRQLYFLQRPNSVVAIEGKDAVLECCVS-GYPPPSFTW 273
Qy 51 ALSDMWVLSVRMEPIIINDRFTSQRYDOGNFTSEMIHNVPPSDGNIRCSLQNSR 108
Db 274 LRGEVI-----QSRKKYSLGG--SNLLISNVTDDSGMYTCVVTYKNN 318
Qy 109 LHGSAYLTVQWKGELFIPSVNLVVAENEPCEVTCLPSHWTLPDISW-BLGILVSHSSY 167
Db 319 ISASAEITVLPMPWFLNHPNVLVAYESMDIEFFECTVSGKP-VPTVNMKNGDVVTPSDYF 377
Qy 168 FVPEPSDLQSAVSTIALTPQNGNLTCTVATKSLKARKSATVNLTVLRCPQDTGGGINIP 227
Db 378 QIVGGSNLR---ILGVVKSDEGFYQCVAENENAGNAQTSALIVPKPAIPSSS----- 426
Qy 228 GVLSSLP 234
Db 427 -VLPSAP 432

```

Search completed: February 22, 2005, 19:55:32
 Job time : 74.253 secs


```
FILE REFERENCE: CL001307
CURRENT APPLICATION NUMBER: US/09/949,016
CURRENT FILING DATE: 2000-04-14
PRIOR APPLICATION NUMBER: 60/241,755
PRIOR FILING DATE: 2000-10-20
PRIOR APPLICATION NUMBER: 60/237,768
PRIOR FILING DATE: 2000-10-03
PRIOR APPLICATION NUMBER: 60/231,498
PRIOR FILING DATE: 2000-09-08
NUMBER OF SEQ ID NOS: 207012
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO: 13261
LENGTH: 36156
TYPE: DNA
ORGANISM: Human
FEATURE:
NAME/KEY: misc feature
LOCATION: (1) (36156)
OTHER INFORMATION: n = A,T,C or G
US-09-949-016-13261
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Query Match
Best Local Similarity 4.4%; Score 55; DB 4; Length 36156;
Matches 67; Conservative 0; Mismatches 20; Indels 0; Gaps 0;

OY 32 TTTCCTAGGCTGCCATTAACAAGCACCATACTGTGCTTGAACAATGGAAGGCAAT 91
DB 387 TTCTGGGGCTGCCTATTAACAAGTACCAACAACGTGGTGTAAACAAAGAAATTTAT 446
OY 92 TTGCTCAAGGTTCCAGAGCGTAGGT 118
DB 447 TGTCTTACAGTTCTCGAGGCCGTAAGT 473
```

```
RESULT 3
US-09-253-691-3/c
Sequence 3, Application US/09253691
Patent No. 6124100
GENERAL INFORMATION:
APPLICANT: Dong Kyu JIN
TITLE OF INVENTION: Diagnostic Method and Kit for Neuropsychiatric Diseases
FILE REFERENCE: 1942/36
CURRENT APPLICATION NUMBER: US/09/253,691
CURRENT FILING DATE: 1999-02-22
EARLIER APPLICATION NUMBER: KR 98-6,278
PRIOR FILING DATE: 1996-02-26
NUMBER OF SEQ ID NOS: 3
SOFTWARE: WordPerfect 6.1/Windows
SEQ ID NO: 3
LENGTH: 397
TYPE: DNA
ORGANISM: human
US-09-253-691-3
```

```
Query Match
Best Local Similarity 4.2%; Score 51.8; DB 3; Length 397;
Matches 89; Conservative 0; Mismatches 62; Indels 0; Gaps 0;

OY 873 GCTGCTGCTGTCGCCGCGTGTGTTGTGCTGCTCACTGCTGCGCTGTTGTTCT 932
DB 200 GCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 141
OY 933 GCTGTAAGAAAGAAAGAGATTTGATTCATATTTCAAAAGAAATCGAAAGAGAGAA 992
DB 140 GCTGTTGCTGCTTTTGGCTGCTGCTGAACATTCAAAAGAGAAATATTTAAAAACA 81
OY 993 CAACAAGAAAGAGAGAGAGAGAAAGTGAAG 1023
DB 80 AACTTAAGATTAATACACATGAGAAA 50
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RESULT 4

```
US-09-270-767-12780/c
Sequence 12780, Application US/09270767
Patent No. 6703491
GENERAL INFORMATION:
APPLICANT: Homburger et al.
TITLE OF INVENTION: Nucleic acids and proteins of Drosophila melanogaster
FILE REFERENCE: File Reference: 7326-094
CURRENT APPLICATION NUMBER: US/09/270,767
CURRENT FILING DATE: 1999-03-17
NUMBER OF SEQ ID NOS: 62517
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO: 12780
LENGTH: 1918
TYPE: DNA
ORGANISM: Drosophila melanogaster
US-09-270-767-12780
```

```
Query Match
Best Local Similarity 4.1%; Score 51.4; DB 4; Length 1918;
Matches 58; Conservative 0; Mismatches 11; Indels 0; Gaps 0;

OY 871 ACGCTGCTGCTGCTGCCGCCGCTGCTGTTGTGCTGCACTGCTGCGTGTGTT 930
DB 560 ATGTTGCTGCTGCTGCTGCTGCTGTTGTTGTGCTGCTGCTGCTGCTGCTGTTG 501
OY 931 CTGCTGTAG 939
DB 500 CTGCTGTG 492
```

```
RESULT 5
US-09-949-016-135655/c
Sequence 135655, Application US/09949016
Patent No. 6812339
GENERAL INFORMATION:
APPLICANT: VENTER, J. Craig et al.
TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
FILE REFERENCE: CL001307
CURRENT APPLICATION NUMBER: US/09/949,016
CURRENT FILING DATE: 2000-04-14
PRIOR APPLICATION NUMBER: 60/241,755
PRIOR FILING DATE: 2000-10-20
PRIOR APPLICATION NUMBER: 60/237,768
PRIOR FILING DATE: 2000-10-03
PRIOR APPLICATION NUMBER: 60/231,498
PRIOR FILING DATE: 2000-09-08
NUMBER OF SEQ ID NOS: 207012
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO: 135655
LENGTH: 601
TYPE: DNA
ORGANISM: Human
US-09-949-016-135655
```

```
Query Match
Best Local Similarity 4.0%; Score 49.4; DB 4; Length 601;
Matches 77; Conservative 0; Mismatches 46; Indels 0; Gaps 0;

OY 4 TGTGAGTCCAGCAACAGTGTGATCAGTTTCTAGGCTGCCATAACAAGCCATAAC 63
DB 328 TGTTAATGAAGCTGGAGGTTAATAAYCTCTTGCGCTGCCATAACAATAATCCACA 269
OY 64 CTGCTGCTTGAACAATGGAAGGATTTGCTCAGAGTTCCAGAAAGCTGTAGTTCTG 123
DB 268 TTGGTGGCTGCAGCACTGAATTAATTTCTCAGGTTTGAAGGCTGTAGCTGAAG 209
OY 124 GTC 126
DB 208 GTC 206
```

RESULT 6


```
US-09-949-016-135656/c
; Sequence 135656, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO: 135656
; LENGTH: 601
; TYPE: DNA
; ORGANISM: Human
US-09-949-016-135656

Query Match
Best Local Similarity 4.0%; Score 49.4; DB 4; Length 601;
Matches 77; Conservative 0; Mismatches 46; Indels 0; Gaps 0;

QY 4 TGTGATCCAGCCAAAGTGTGATCAGTTTCTAGGCTGCCTAATACCAAGCCATAC 63
DB 489 TGTATATGAAGCTGAGCTGATTAATATCTCTGGCTGCCTAATACCAAGCCATAC 430
QY 64 CTGGTGGCTTAAACAAATGAAAGCAATTTGCTCAGCGTTCCAGAGCTGTAGTTCTGG 123
DB 429 TTGGTGGCTGAGCACTGAATTAATTTTCTCAGCGTTCTGAGGCTGTAGTGCAG 370
QY 124 GTC 126
DB 369 GTC 367

RESULT 7
US-09-949-016-15546
; Sequence 15546, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO: 15546
; LENGTH: 187595
; TYPE: DNA
; ORGANISM: Human
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)...(187595)
; OTHER INFORMATION: n = A,T,C or G
US-09-949-016-15546

Query Match
Best Local Similarity 4.0%; Score 49.4; DB 4; Length 187595;
Matches 77; Conservative 0; Mismatches 46; Indels 0; Gaps 0;
```

```
QY 4 TGTGATCCAGCCAAAGTGTGATCAGTTTCTAGGCTGCCTAATACCAAGCCATAC 63
DB 109926 TGTATATGAAGCTGAGCTGATTAATATCTCTGGCTGCCTAATACCAAGCCATAC 109985
QY 64 CTGGTGGCTTAAACAAATGAAAGCAATTTGCTCAGCGTTCCAGAGCTGTAGTTCTGG 123
DB 109986 TTGGTGGCTGAGCACTGAATTAATTTTCTCAGCGTTCTGAGGCTGTAGTGCAG 110045
QY 124 GTC 126
DB 110046 GTC 110048

RESULT 8
US-09-949-016-125382/c
; Sequence 125382, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO: 125382
; LENGTH: 601
; TYPE: DNA
; ORGANISM: Human
US-09-949-016-125382

Query Match
Best Local Similarity 3.9%; Score 48.6; DB 4; Length 601;
Matches 66; Conservative 0; Mismatches 29; Indels 0; Gaps 0;

QY 32 TTCTCAGGCTGCCTAATACCAAGCAATACCTGCTGCTTGAACAAATGAAAGCAAT 91
DB 595 TTGCTAGGCTGCCTAATACCAAGCAATACCTGCTGCTGAGCAAAACAAATGAAATTTAT 536
QY 92 TTGCTCAGGCTGCCTAATACCAAGCAATACCTGCTGCTGCTGCTGCTGCTGCTGCTG 126
DB 535 TTCTCAGGCTGCCTAATACCAAGCAATACCTGCTGCTGCTGCTGCTGCTGCTGCTG 501

RESULT 9
US-09-949-016-15300
; Sequence 15300, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO: 15300
; LENGTH: 139552
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RESULT 11
US-08-531-927B-3/c
Sequence 3, Application US/08531927B
Patent No. 5840491
GENERAL INFORMATION:
APPLICANT: Kakizuka, Akira
TITLE OF INVENTION: DNA Sequence Encoding the Machado-Joseph
Patent No. 5840491
TITLE OF INVENTION: Disease Gene and Uses Thereof
NUMBER OF SEQUENCES: 23
CORRESPONDENCE ADDRESS:
ADDRESSEE: Hamilton, Brook, Smith & Reynolds, P.C.
STREET: Two Millitia Drive
CITY: Lexington
STATE: Massachusetts
COUNTRY: USA
ZIP: 02173-4799

Query Match	3.8%	Score 47.6;	DB 4;	Length 2733;
Best Local Similarity	75.6%	Pred. No. 0.002;		
Matches 59; Conservative	0;	Mismatches 19;	Indels 0;	Gaps 0;

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Result No.	Score	Query Match	Length	DB	ID	Description
1	1126.4	90.8	2051	17	US-10-104-047-1104	Sequence 1104, AP
2	270.6	21.8	474	10	US-09-918-995-3342	Sequence 3342, AP
3	188.8	11.3	401	9	US-09-864-761-16305	Sequence 16305, AP
4	140.4	11.3	398	9	US-09-983-965-4945	Sequence 4945, AP
5	54.2	4.4	392112	18	US-10-812-232-3	Sequence 3, Appl1
6	53.2	4.3	404	10	US-09-918-995-5026	Sequence 5026, AP
7	53	4.3	203264	13	US-10-087-182-988	Sequence 988, AP
8	50.6	4.1	775	17	US-10-042-559-16575	Sequence 16575, AP
9	50.4	4.1	609	13	US-10-027-632-43431	Sequence 43431, AP
10	50.4	4.1	609	13	US-10-027-632-299775	Sequence 299775, AP
11	50.4	4.1	609	17	US-10-027-632-43431	Sequence 43431, AP

C 12	50.2	4.1	609	17	US-10-027-632-229775	Sequence 229775,
C 13	50.2	4.0	650	13	US-10-027-632-201953	Sequence 201953,
C 14	50.2	4.0	650	17	US-10-027-632-201953	Sequence 201953,
C 15	50.2	4.0	66123	18	US-10-741-601-5577	Sequence 5697, Ap
C 16	50.2	4.0	66123	19	US-10-741-600-17774	Sequence 17774, Ap
C 17	49.6	4.0	606	13	US-10-027-632-134169	Sequence 134169,
C 18	49.6	4.0	606	17	US-10-027-632-134169	Sequence 134169,
C 19	48.8	3.9	382	18	US-10-674-1244-21672	Sequence 21672, Ap
C 20	47.6	3.8	2733	18	US-10-384-107-1	Sequence 1,
C 21	47.6	3.8	77992	16	US-10-325-810-11	Sequence 11, Appl
C 22	47.6	3.8	250000	16	US-10-325-810-0-26	Sequence 26, Appl
C 23	47	3.8	1143	15	US-10-261-078-5	Sequence 5, Appl
C 24	46.6	3.8	300	14	US-10-076-555-310	Sequence 314, Appl
C 25	46.6	3.8	759	14	US-10-076-555-700	Sequence 700, Appl
C 26	46.4	3.7	14152	9	US-09-764-869-1573	Sequence 1573, Ap
C 27	46.4	3.7	14152	14	US-10-091-504-1573	Sequence 1573, Ap
C 28	46.4	3.7	14152	17	US-10-227-577-1573	Sequence 1573, Ap
C 29	46.2	3.7	381	18	US-10-357-930-54485	Sequence 54485, Ap
C 30	46.2	3.7	592	16	US-10-029-386-11128	Sequence 11128, Ap
C 31	46.2	3.7	13761	18	US-10-741-601-573	Sequence 573, Ap
C 32	46.2	3.7	13761	19	US-10-741-600-17992	Sequence 17892, Ap
C 33	46.2	3.7	546025	18	US-10-719-993-6862	Sequence 6862, Ap
C 34	46	3.7	513	18	US-10-357-930-47995	Sequence 47995, Ap
C 35	46	3.7	2005	13	US-10-027-632-257598	Sequence 257598,
C 36	46	3.7	2005	17	US-10-027-632-257598	Sequence 257598,
C 37	46	3.7	2706	17	US-10-620-314-4	Sequence 4,
C 38	46	3.7	3577	13	US-10-008-739-1	Sequence 1, Appl
C 39	46	3.7	11004	17	US-10-620-514-1	Sequence 1, Appl
C 40	45.8	3.7	201	18	US-10-741-601-8587	Sequence 8587, Appl
C 41	45.8	3.7	201	18	US-10-741-601-12705	Sequence 12705, Ap
C 42	45.8	3.7	201	19	US-10-741-600-022941	Sequence 22941, Ap
C 43	45.8	3.7	201	19	US-10-741-600-30985	Sequence 30985, Ap
C 44	45.8	3.7	405	18	US-10-357-930-56357	Sequence 56357, Ap
C 45	45.8	3.7	815	13	US-10-027-632-157282	Sequence 157282,

ALIGNMENTS

```

RESULT 1
US-10-104-047-1104
; Sequence 1104, Application US/10104047
; Publication No. US20030236392A1
; GENERAL INFORMATION:
; APPLICANT: HELIX RESEARCH INSTITUTE
; TITLE OF INVENTION: No. US20030236392A1el full length cDNA
; FILE REFERENCE: H1-A0105
; CURRENT APPLICATION NUMBER: US/10/104,047
; CURRENT FILING DATE: 2002-03-25
; PRIOR APPLICATION NUMBER:
; PRIOR FILING DATE:
; NUMBER OF SEQ ID NOS: 4096
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 1104
; LENGTH: 2051
; TYPE: DNA
; ORGANISM: Homo sapiens
; US-10-104-047-1104

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	Query Match	Similarity	90.8%	Score 1126.4	DB 17	Length 2051
	Best Local	Similarity	99.58%	Pred. No. 0		
	Matches 1130	Conservative	0	Mismatches 6	Indels 0	Gaps 0
105	CAGAAGCTGTAGGTTCTTGGGTCTTGGTATGAAGTCATAGAAAGGCCCCACAGATTGCACAG	166				
192	CAGTGCGTAGACGGTTCTGGGCTCTGGTAATAGCATAGAAAGGCCCCCAATAATGCACAG	251				
165	TCTCGAAGGGGCTCCACAGGCTCGCTTCAACTGCACCGCTCCCAAGGGCTGGAAGCTATCA	224				
252	TCTCGAAGGGGCTCCCAAGGCTCGCTTCAACTGCACCGCTCCCAAGGGCTGGAAGCTATCA	311				
225	TGTGGGCTTCAAGTACATGATGATGATGCTCAAGGCCCACCATGAGCCCATATCACA	284				

```

? TITLE OF INVENTION: NOVEL NUCLEIC ACID SEQUENCES OBTAINED
?
? TITLE OF INVENTION: FROM VARIOUS CDNA LIBRARIES
?
? FILE REFERENCE: 20411-756
?
? CURRENT APPLICATION NUMBER: US/09/918,995
?
? PRIOR FILING DATE: 2001-07-30
?
? PRIOR APPLICATION NUMBER: US/09/235,076
?
? PRIOR FILING DATE: 1999-01-20
?
? NUMBER OF SEQ ID NOS: 38054
?
? SOFTWARE: FastSeq for Windows Version 3.0
?
? SEQ ID NO 3342
?
? LENGTH: 474
?
? TYPE: DNA
?
? ORGANISM: Homo sapiens
?
? FEATURE:
?
? NAME/KEY: misc feature
?
? LOCATION: (1)..(474)
?
? OTHER INFORMATION: n = A,T,C or G
US-09-918-995-3342

```

Query Match	21.8%	Score 270.6	DB 10	Length 474
Best Local Similarity	98.6%	Pred. No. 5.3e-69		
Matches 273	Conservative 0	Mismatches 4	Indels 0	Gaps 0

QY	964	ATTTCAAAAGAAATTTGAAAAAGAGAACAAACAAAGAAACTGAGACAGAAATGTGGAA	1023
Db	54	ACTTTTAAGGAAATTTGAAAAAGAGAACAAACAAAGAAACTGAGACAGAAAGTGGAA	113
QY	1024	TGAAAACCTCCGGCTCAATTCAGATGAAACAAAGACACAGAAAACGGCTTCTCTCCCTCC	1083
Db	114	TGAAAACCTCCGGCTCAATTCAGATGAAACAAAGACACAGAAAACGGCTTCTCTCCCTCC	173
QY	1084	CAAACTCCTGTAATCCAGTGAATCCTGAAACAAAGAAACAGTAGCTGTGGCCCTCTCAACA	1143
Db	174	CAAACTCCTGTAATCCAGTGAATCCTGAAACAAAGAAACAGTAGCTGTGGCCCTCTCAACA	233
QY	1144	GGGGGCTGATCAACGTCACCCAGGCGAGCAAGTCATCCACAGGCTTCTTTAATCTGGC	1203
Db	234	GGGGGCTGATCAACGTCACCCAGGCGAGCAAGTCATCCACAGGCTTCTTTAATCTGGC	293
QY	1204	CAGTCTGAGAGGTCAGTAATCAACTGTAAGTATG	1240
Db	294	CAGTCTGAGAGGTCAGTAATCAACTGTAAGTATG	330

US-09-864-761-16305
 RESULT 3
 ; Sequence 16305, Application US/09864761
 ; Patent No. US20020048763A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Penn, Sharon G.
 ; APPLICANT: Rank, David R.
 ; APPLICANT: Hanzel, David K.
 ; APPLICANT: Chen, Wensheng
 ; TITLE OF INVENTION: HUMAN GENOME-DERIVED SINGLE EXON NUCLEIC ACID PROBES USEFUL FOR
 ; TITLE OF INVENTION: GENE EXPRESSION ANALYSIS BY MICROARRAY
 ; FILE REFERENCE: Aeomica-X-1
 ; CURRENT APPLICATION NUMBER: US/09/864,761
 ; CURRENT FILING DATE: 2001-05-23
 ; PRIOR APPLICATION NUMBER: US 60/180,312
 ; PRIOR FILING DATE: 2000-02-04
 ; PRIOR APPLICATION NUMBER: US 60/207,456
 ; PRIOR FILING DATE: 2000-05-26
 ; PRIOR APPLICATION NUMBER: US 09/632,366
 ; PRIOR FILING DATE: 2000-08-03
 ; PRIOR APPLICATION NUMBER: GB 24263.6
 ; PRIOR FILING DATE: 2000-10-04
 ; PRIOR APPLICATION NUMBER: US 60/236,359
 ; PRIOR FILING DATE: 2000-09-27
 ; PRIOR APPLICATION NUMBER: PCT/US01/00666
 ; PRIOR FILING DATE: 2001-01-30
 ; PRIOR APPLICATION NUMBER: PCT/US01/00667
 ; PRIOR FILING DATE: 2001-01-30
 ; PRIOR APPLICATION NUMBER: PCT/US01/00664

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; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00669
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00665
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00668
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00663
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00662
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00661
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00670
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: US 60/234,687
; PRIOR FILING DATE: 2000-09-21
; PRIOR APPLICATION NUMBER: US 09/608,408
; PRIOR FILING DATE: 2000-06-30
; PRIOR APPLICATION NUMBER: US 09/774,203
; PRIOR FILING DATE: 2001-01-29
; NUMBER OF SEQ ID NOS: 49117
; SOFTWARE: Annomax Sequence Listing Engine vers. 1.1
; SEQ ID NO: 16305
; LENGTH: 401
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; OTHER INFORMATION: MAP TO AF121782.1
; OTHER INFORMATION: EXPRESSED IN PLACENTA, SIGNAL = 1.9
US-09-864-761-16305

```

```

Query Match      15.2%; Score 188.8; DB 9; Length 401;
Best Local Similarity 99.0%; Pred. No. 7,2e-45;
Matches 190; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY      115 AGGTTGGGTCGTGTAATAGTATAGAGGCCCCCAAGTGAACAGTCTGTAAGG 174
DB      210 AGGTTGGGTCGTGTAATAGTATAGAGGCCCCCAAGTGAACAGTCTGTAAGG 269

QY      175 CTCGCCAGGCTCGCTTCACTGACGCGTCTCCAGGGCTGGAAGCTCATGTGGGCTCT 234
DB      270 CTCGCCAGGCTCGCTTCACTGACGCGTCTCCAGGGCTGGAAGCTCATGTGGGCTCT 329

QY      235 CAGTGCATGTGTGTCTTAAGCTCAGGCCATGAGCCCATATACCAATGACCGCTT 294
DB      330 CAGTGCATGTGTGTCTTAAGCTCAGGCCATGAGCCCATATACCAATGACCGCTT 389

QY      295 CACCTCTCAGAG 306
DB      390 CACCTCTCAGAG 401

```

```

RESULT 4
US-09-983-965-4945
; Sequence 4945, Application US/09983965
; Patent No. US20020137160X1
; GENERAL INFORMATION:
; APPLICANT: Warren, Wesley C.
; APPLICANT: Tao, Nengbing
; APPLICANT: Byatt, John C.
; APPLICANT: Mathalagan, Nagappan
; TITLE OF INVENTION: NUCLEIC ACID AND OTHER MOLECULES ASSOCIATED WITH LACTATION AND
; FILE REFERENCE: 37-21(10297)C
; CURRENT APPLICATION NUMBER: US/09/983,965
; PRIOR FILING DATE: 2001-10-26
; PRIOR APPLICATION NUMBER: US 09/465,231
; PRIOR FILING DATE: 1999-12-15
; PRIOR APPLICATION NUMBER: US 60/113,678
; PRIOR FILING DATE: 1998-12-17
; NUMBER OF SEQ ID NOS: 5912
; SEQ ID NO 4945

```

```

; LENGTH: 398
; TYPE: DNA
; ORGANISM: Bos taurus
; FEATURE:
; OTHER INFORMATION: Clone ID: 26-LIB34-017-Q1-E1-G9
US-09-983-965-4945

```

```

Query Match      11.3%; Score 140.4; DB 9; Length 398;
Best Local Similarity 78.5%; Pred. No. 1,4e-30;
Matches 168; Conservative 0; Mismatches 46; Indels 0; Gaps 0;

QY      113 GTAGTTCTGGGCTGTGTAATAGTATAGAGGCCCCCAAGTGAACAGTCTGTAAG 172
DB      185 GCAAGCTGTGATCCAGCATGTAATCATAGAGGCTCCCAAGATGTCTACAGCCCTGAAG 244

QY      173 GGCCTCCAGGCTCGCTTCACTGACGCGTCTCCAGGGCTGGAAGCTCATGTGGGCT 232
DB      245 GGCCTCCAGGCTCGCTTCACTGACGCGTCTCCAGGGCTGGAAGCTCATGTGGGCT 304

QY      233 CTCAGTGCATGTGTGTCTTAAGCTCAGGCCATGAGCCCATATACCAATGACCGG 292
DB      305 CTGAGAGGCACAGTGTGTCTGAGCATGACACCTAATGACCATCATACCAAGTACCG 364

QY      293 TTCACCTCTCAGAGTGAACAGCAGGCGGGAAGT 326
DB      365 TTCACCTCTCAGAGTGAACAGCAGGCGGGAAGT 398

```

```

RESULT 5
US-10-812-232-3/C
; Sequence 3, Application US/10812232
; Publication No. US20040265961A1
; GENERAL INFORMATION:
; APPLICANT: Liu, Wei
; APPLICANT: Wu, Leeying
; APPLICANT: Chanavajhala, Padma L,
; APPLICANT: Lin, Lib-ling
; APPLICANT: Zhang, Yuhua
; TITLE OF INVENTION: Novel Proteins Homologous to Kinase Suppressor of Ras
; FILE REFERENCE: 01997,026700
; CURRENT APPLICATION NUMBER: US/10/812,232
; PRIOR FILING DATE: 2004-03-29
; PRIOR APPLICATION NUMBER: US 60/457,928
; PRIOR FILING DATE: 2003-03-28
; PRIOR APPLICATION NUMBER: US 60/491,283
; PRIOR FILING DATE: 2003-07-31
; NUMBER OF SEQ ID NOS: 254
; SOFTWARE: Patentin version 3.2
; SEQ ID NO 3
; LENGTH: 392112
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-812-232-3

```

```

Query Match      4.4%; Score 54.2; DB 18; Length 392112;
Best Local Similarity 73.9%; Pred. No. 0.0023;
Matches 82; Conservative 0; Mismatches 28; Indels 1; Gaps 1;

QY      24 TGATCAGTTCTCTAGGCTGATCAACAAGCACCATACTGCG-TGGCTTGAACAATG 82
DB      216302 TGTGTTAGTCTCTAGGCTGATCAACAAGCACCATACTGATGCTTAAACAATG 216243

QY      83 GAAAGCATTTGCTCAGCGTTCCAGAAGCTGTAGGTTCTGGGCTGTGTAAT 133
DB      216242 GAAAGCATTTCTCAGAGTTTGAAGCTGTAGGTTTGTGTTTATT 216192

```

```

RESULT 6
US-09-918-995-5026
; Sequence 5026, Application US/09918995
; Publication No. US20030073623A1
; GENERAL INFORMATION:
; APPLICANT: Hyseq, Inc.

```

```

; TITLE OF INVENTION: NOVEL NUCLEIC ACID SEQUENCES OBTAINED
; TITLE OF INVENTION: FROM VARIOUS CDNA LIBRARIES
; FILE REFERENCE: 20411-756
; CURRENT APPLICATION NUMBER: US/09/918,995
; CURRENT FILING DATE: 2001-07-30
; PRIOR APPLICATION NUMBER: US/09/235,076
; PRIOR FILING DATE: 1999-01-20
; NUMBER OF SEQ ID NOS: 38054
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 5026
; LENGTH: 404
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-918-995-5026
```

```

Query Match      4.3%; Score 53.2; DB 10; Length 404;
Best Local Similarity 68.9%; Pred. No. 8.5e-05;
Matches 73; Conservative 0; Mismatches 33; Indels 0; Gaps 0;
```

```

QY 28 TCAGTTTCTAGGCTGCATTAACAAGCACCATTAACCTGGCTTGAACATGGAAG 87
    |||||
DB 74 TGAAGTTGCTGGTGTGCGCATTAACAACCTATAGACTTTTGGCTTAAACATGGAAT 133
    |||||
QY 88 GCATTTCCTACGCTTCCAGAGAGCTGTGAGTCTGCTGTAAT 133
    |||||
DB 134 GTATTTCCTACAGTTCCAGAGAGCTGAAGTCCAGATGCCACAAAT 179
    |||||
```

```

RESULT 7
US-10-087-192-988
; Sequence 988, Application US/10087192
; Publication No. US20020182586A1
; GENERAL INFORMATION:
; APPLICANT: Morris, David W.
; APPLICANT: Engelhardt, Eric K.
; TITLE OF INVENTION: NOVEL COMPOSITIONS AND METHODS FOR
; FILE REFERENCE: 529452000122
; CURRENT APPLICATION NUMBER: US/10/087,192
; CURRENT FILING DATE: 2002-03-01
; PRIOR APPLICATION NUMBER: US 09/747,377
; PRIOR FILING DATE: 2000-12-22
; PRIOR APPLICATION NUMBER: US 09/798,586
; PRIOR FILING DATE: 2001-03-02
; NUMBER OF SEQ ID NOS: 2053
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 988
; LENGTH: 203264
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-087-192-988
```

```

Query Match      4.3%; Score 53; DB 13; Length 203264;
Best Local Similarity 64.0%; Pred. No. 0.0036;
Matches 80; Conservative 0; Mismatches 45; Indels 0; Gaps 0;
```

```

QY 27 ATCACTTCTAGGCTGCATTAACAAGCACCATTAACCTGGCTTGAACATGGAAG 86
    |||||
DB 13978 ATAGTTTCTGGTGGCGCATTAACAATATACCAAACTGGTGGCTTAAACAATGAAA 140037
    |||||
QY 87 GCATTTCCTACGCTTCCAGAGAGCTGTGAGTCTGATGATGAAGTATGAAG 146
    |||||
DB 140038 TGTATTTCTCATAGTCTGAGAGCTGATGATTTCAAGTACCAACAAATTCCA 140097
    |||||
QY 147 GCCCC 151
    |||||
DB 140098 GGGCC 140102
    |||||
```

```

RESULT 8
US-10-424-599-16675/c
; Sequence 16675, Application US/10424599
; Publication No. US20040031072A1
```

```

; GENERAL INFORMATION:
; APPLICANT: La Rosa Thomas J
; APPLICANT: Kovalic David K
; APPLICANT: Zhou Yihua
; APPLICANT: Cao Yongwei
; TITLE OF INVENTION: Soy Nucleic Acid Molecules and Other Molecules Associated with
; FILE REFERENCE: 38-21(53223)B
; CURRENT APPLICATION NUMBER: US/10/424,599
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 285684
; SEQ ID NO 16675
; LENGTH: 775
; TYPE: DNA
; ORGANISM: Glycine max
; FEATURE:
; OTHER INFORMATION: Clone ID: PAT_MRT3847_115063C.1
US-10-424-599-16675
```

```

Query Match      4.1%; Score 50.6; DB 17; Length 775;
Best Local Similarity 73.0%; Pred. No. 0.00073;
Matches 65; Conservative 0; Mismatches 24; Indels 0; Gaps 0;
```

```

QY 873 GCTGCTCTGCTGCGCGCGTGTGTTGTGCTGCAACTGCTGCGCGTGTGTTCT 932
    |||||
DB 710 GTTCTGCTGCTGCTGCTGTTGTGTTGTGCTGCTGCTGCTGCTGCTGTTGTTCT 651
    |||||
QY 933 GCTGTAGAGAAAAAGAGATTCGTAAT 961
    |||||
DB 650 GCTGCTCTGCTGCTGAGCCCTTGTAAAT 622
    |||||
```

```

RESULT 9
US-10-027-632-43431
; Sequence 43431, Application US/10027632
; Publication No. US20020198371A1
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
; FILE REFERENCE: 108827.129
; CURRENT APPLICATION NUMBER: US/10/027,632
; CURRENT FILING DATE: 2002-04-30
; PRIOR APPLICATION NUMBER: US 60/218,006
; PRIOR FILING DATE: 2000-07-12
; PRIOR APPLICATION NUMBER: US 60/198,676
; PRIOR FILING DATE: 2000-04-20
; PRIOR APPLICATION NUMBER: US 60/193,483
; PRIOR FILING DATE: 2000-03-29
; PRIOR APPLICATION NUMBER: US 60/185,218
; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: US 60/167,363
; PRIOR FILING DATE: 1999-11-23
; PRIOR APPLICATION NUMBER: US 60/156,358
; PRIOR FILING DATE: 1999-09-28
; PRIOR APPLICATION NUMBER: US 60/146,002
; PRIOR FILING DATE: 1999-08-09
; NUMBER OF SEQ ID NOS: 325720
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 43431
; LENGTH: 609
; TYPE: DNA
; ORGANISM: Human
US-10-027-632-43431
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```

Query Match      4.1%; Score 50.4; DB 13; Length 609;
Best Local Similarity 71.4%; Pred. No. 0.00072;
Matches 80; Conservative 0; Mismatches 31; Indels 1; Gaps 1;
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```

QY 23 GTGATCAGTTTC-TAGGCTGCATTAACAAGCACCATTAACCTGGTGGCTTGAACAAAT 81
    |||||
DB 111 GTGATCAGTTTCCTTGGGCTGCGTAACAATTAAGACAACTGTGCTTAAACAAT 170
    |||||
```



```

; Publication No. US20020198371A1
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
; FILE OF INVENTION: Polymorphisms in the Human Genome
; FILE REFERENCE: 108827.129
; CURRENT APPLICATION NUMBER: US/10/027,632
; PRIOR FILING DATE: 2002-04-30
; PRIOR APPLICATION NUMBER: US 60/218,006
; PRIOR FILING DATE: 2000-07-12
; PRIOR APPLICATION NUMBER: US 60/198,676
; PRIOR FILING DATE: 2000-04-20
; PRIOR APPLICATION NUMBER: US 60/193,483
; PRIOR FILING DATE: 2000-03-29
; PRIOR APPLICATION NUMBER: US 60/185,218
; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: US 60/167,363
; PRIOR FILING DATE: 1999-11-23
; PRIOR APPLICATION NUMBER: US 60/156,358
; PRIOR FILING DATE: 1999-09-28
; PRIOR APPLICATION NUMBER: US 60/146,002
; NUMBER OF SEQ ID NOS: 325720
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 201953
; LENGTH: 650
; TYPE: DNA
; ORGANISM: Human
US-10-027-632-201953

Query Match
Best Local Similarity 4.0%; Score 50.2; DB 13; Length 650;
Pred. No. 0.00086;
Matches 97; Conservative 0; Mismatches 78; Indels 0; Gaps 0;

QY 38 AGGCTCCATAACAAGCAGCATTAACCTGCTGCTTAAGACATGAAAGCATTTGCTC 97
    |||||
DB 448 AGGCTACCATTAACAATAATCCATAGAGCTGGCTTAAGAAACAGAAATTTATTCTC 389
    |||||
QY 98 ACGTTCCAGAAAGCTGTAGTCTGGTCTGTAATGAAGTATGAAGGCCCCAGAAAT 157
    |||||
DB 388 ACAGTCCAGAGGCTGGAAGTCCAGATCAGGGTCCAGCATGTCAGGGTCTGTGAAC 329
    |||||
QY 158 GCAACAGTCTGAAGGGCTCCAGGCTGCTTCAACTGCACCGTCTCCAGGGCT 212
    |||||
DB 328 ACTCTATTCTGCTGCTCCAGACATTCCTTCTCACTGTGTGCTCACCAGGCTT 274
    |||||

RESULT 14
US-10-027-632-201953/c
; Sequence 201953, Application US/10027632
; Publication No. US20030204075A9
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
; FILE OF INVENTION: Polymorphisms in the Human Genome
; FILE REFERENCE: 108827.129
; CURRENT APPLICATION NUMBER: US/10/027,632
; PRIOR FILING DATE: 2002-04-30
; PRIOR APPLICATION NUMBER: US 60/218,006
; PRIOR FILING DATE: 2000-07-12
; PRIOR APPLICATION NUMBER: US 60/198,676
; PRIOR FILING DATE: 2000-04-20
; PRIOR APPLICATION NUMBER: US 60/193,483
; PRIOR FILING DATE: 2000-03-29
; PRIOR APPLICATION NUMBER: US 60/185,218
; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: US 60/167,363
; PRIOR FILING DATE: 1999-11-23
; PRIOR APPLICATION NUMBER: US 60/156,358
; PRIOR FILING DATE: 1999-09-28
; PRIOR APPLICATION NUMBER: US 60/146,002
; NUMBER OF SEQ ID NOS: 325720

```

```

; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 201953
; LENGTH: 650
; TYPE: DNA
; ORGANISM: Human
US-10-027-632-201953

Query Match
Best Local Similarity 4.0%; Score 50.2; DB 17; Length 650;
Pred. No. 0.00086;
Matches 97; Conservative 0; Mismatches 78; Indels 0; Gaps 0;

QY 38 AGGCTCCATAACAAGCAGCATTAACCTGCTGCTTAAGACATGAAAGCATTTGCTC 97
    |||||
DB 448 AGGCTACCATTAACAATAATCCATAGAGCTGGCTTAAGAAACAGAAATTTATTCTC 389
    |||||
QY 98 ACGTTCCAGAAAGCTGTAGTCTGGTCTGTAATGAAGTATGAAGGCCCCAGAAAT 157
    |||||
DB 388 ACAGTCCAGAGGCTGGAAGTCCAGATCAGGGTCCAGCATGTCAGGGTCTGTGAAC 329
    |||||
QY 158 GCAACAGTCTGAAGGGCTCCAGGCTGCTTCAACTGCACCGTCTCCAGGGCT 212
    |||||
DB 328 ACTCTATTCTGCTGCTCCAGACATTCCTTCTCACTGTGTGCTCACCAGGCTT 274
    |||||

RESULT 15
US-10-741-601-5697/c
; Sequence 5697, Application US/10741601
; Publication No. US20040166519A1
; GENERAL INFORMATION:
; APPLICANT: CARGILL, Michele et al.
; TITLE OF INVENTION: GENETIC POLYMORPHISMS ASSOCIATED WITH
; FILE REFERENCE: CLO01500
; CURRENT APPLICATION NUMBER: US/10/741,601
; NUMBER OF SEQ ID NOS: 26415
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 5697
; LENGTH: 68123
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-741-601-5697

Query Match
Best Local Similarity 4.0%; Score 50.2; DB 18; Length 68123;
Pred. No. 0.013;
Matches 75; Conservative 0; Mismatches 23; Indels 1; Gaps 1;

QY 21 GTGTGATCAGTTCTTCTAGGCTGCGATTAACAAGCAGCATTAACCT-GGTGGCTTAGACA 79
    |||||
DB 970 GTTGCATTAGTTTCTCGGGCTGTCTAATCAAAATTACCAAGCTGGTGGCTTAACA 911
    |||||
QY 80 ATGAAAGCATTTGCTCAGGCTTCCAGAACTGTAGT 118
    |||||
DB 910 ACAGAAATGATTTCTTGAAGTTTGAAGGCTAAAGGT 872
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Search completed: February 25, 2005, 06:16:06
Job time : 875.067 secs

GenCore version 5.1.6
Copyright (c) 1993 - 2005 Compugen Ltd.

OM protein - protein search, using sw model

Run on: February 22, 2005, 18:19:05 ; Search time 19.0659 Seconds
(without alignments)
1511.316 Million cell updates/sec

Title: US-09-729-264-6

Perfect score: 2077
1 MERHLLTPEAVGSGSGNEV.....HPQASFNLAPEKVSNTTVV 386

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 513545 seqs, 74649064 residues

Total number of hits satisfying chosen parameters: 513545

Minimum DB seq length: 0
Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Issued Patents AA: *
1: /cgn2_6/prodata/1/1aa/5A_COMB.pep: *
2: /cgn2_6/prodata/1/1aa/5B_COMB.pep: *
3: /cgn2_6/prodata/1/1aa/6A_COMB.pep: *
4: /cgn2_6/prodata/1/1aa/6B_COMB.pep: *
5: /cgn2_6/prodata/1/1aa/PCTUS_COMB.pep: *
6: /cgn2_6/prodata/1/1aa/Backfile1.pep: *

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	151	7.3	404	US-09-638-649-3	Sequence 3, App1
2	151	7.3	404	US-09-949-016-11025	Sequence 11025, A
3	151	7.3	404	US-09-638-648-3	Sequence 3, App1
4	145.5	7.0	405	US-08-755-235-4	Sequence 4, App1
5	128.5	6.2	1445	US-08-977-767-3	Sequence 3, App1
6	128	6.2	1447	US-09-041-886-25	Sequence 25, App1
7	128	6.2	1447	PCT-US94-05277-2	Sequence 2, App1
8	128	6.2	1953	US-09-917-254-92	Sequence 92, App1
9	127.5	6.1	869	US-08-374-834-16	Sequence 16, App1
10	127.5	6.1	869	US-08-644-271-29	Sequence 29, App1
11	127.5	6.1	869	US-09-077-955-33	Sequence 33, App1
12	127	6.1	332	US-09-062-365-1	Sequence 1, App1
13	125.5	6.0	869	US-09-715-249-8	Sequence 8, App1
14	125	6.0	1070	US-09-651-403-3	Sequence 3, App1
15	124.5	6.0	340	US-09-651-200-2	Sequence 2, App1
16	124.5	6.0	441	US-09-651-200-4	Sequence 4, App1
17	123.5	5.9	534	US-09-651-200-6	Sequence 4, App1
18	123.5	5.9	534	US-09-651-200-24	Sequence 24, App1
19	123	5.9	313	US-09-700-397-4	Sequence 4, App1
20	123	5.9	344	US-09-700-397-3	Sequence 3, App1
21	122.5	5.9	455	US-09-949-016-6949	Sequence 6949, A
22	122.5	5.9	455	US-09-949-016-11026	Sequence 11026, A
23	122.5	5.9	4391	US-10-006-011A-2	Sequence 2, App1
24	122	5.9	318	US-08-633-148-4	Sequence 4, App1
25	122	5.9	340	US-08-633-148-2	Sequence 2, App1
26	120	5.8	83	US-09-270-767-37272	Sequence 37272, A
27	120	5.8	83	US-09-270-767-52489	Sequence 52489, A

28	114.5	5.5	1461	US-09-976-594-531	Sequence 531, App
29	114	5.5	868	US-08-374-834-1	Sequence 1, App1
30	114	5.5	868	US-08-644-271-1	Sequence 1, App1
31	114	5.5	868	US-09-077-955-1	Sequence 1, App1
32	114	5.5	1395	US-09-540-245A-15	Sequence 15, App1
33	113.5	5.5	416	US-09-638-649-1	Sequence 1, App1
34	113.5	5.5	416	US-08-755-235-2	Sequence 2, App1
35	113.5	5.5	416	US-09-638-648-1	Sequence 1, App1
36	113	5.4	689	US-09-499-964-1	Sequence 1, App1
37	111.5	5.4	316	US-09-910-174B-24	Sequence 24, App1
38	111.5	5.4	316	US-09-620-461-24	Sequence 24, App1
39	111	5.3	365	US-08-979-424-3	Sequence 3, App1
40	111	5.3	365	US-09-272-496-2	Sequence 2, App1
41	111	5.3	365	US-09-949-016-6064	Sequence 6064, Ap
42	111	5.3	383	US-09-949-016-11050	Sequence 11050, A
43	111	5.3	2732	US-09-086-436-30	Sequence 30, App1
44	110	5.3	706	US-09-949-016-11394	Sequence 11394, A
45	109.5	5.3	325	US-09-651-200-20	Sequence 20, App1

ALIGNMENTS

RESULT 1
US-09-638-649-3

Sequence 3, Application US/09638649
Patent No. 6563015

GENERAL INFORMATION:
APPLICANT: Stern, David M.

APPLICANT: Schmidt, Ann Marie
APPLICANT: Van, Shi Du

TITLE OF INVENTION: TRANSGENIC MICE OVER-EXPRESSING RECEPTOR FOR ADVANCED
TITLE OF INVENTION: GLYCATION ENDPRODUCT (AGE) AND MUTANT APP IN BRAIN AND

FILE REFERENCE: 0575/62175
CURRENT APPLICATION NUMBER: US/09/638,649

CURRENT FILING DATE: 2000-08-14
NUMBER OF SEQ ID NOS: 10

SOFTWARE: PatentIn Ver. 2.1

SEQ ID NO 3
LENGTH: 404

TYPE: PRT
ORGANISM: Human

US-09-638-649-3

Query Match
Best Local Similarity 23.3%; Score 151; DB 4; Length 404;
Matches 90; Conservative 38; Mismatches 112; Indels 146; Gaps 19;

QY	9	PEAVGSGNEVIEGPNATVTKGSQARFNCVSGQ--WKIMMALSMDVVLVSRPME 65
DB	124	PIIVSAS--ELTAGVN-----KVGTCVSESGYPAGTSLMHLDG-----KP 163
QY	66	ITINDRFTS-----ORYDGGNFT--SEMIHNVPSDSGNIR---CSLQNSRLHGSAY 114
DB	164	LVPNEKGVSVKQTRHPETGLFTLOSEL--VTPARGDRPRTSCSPRLPMPHRL 220
QY	115	LTVOVWGLFIP-----SVNLVVAENEP-----CEVTCLPSHMTRLPDISWE 156
DB	221	FRAPIQPRVMEVPLPEVQLVV--EPBGAVAPGGTVTLTCEVPAQPS-----PDHWM 272
QY	157	LGILVSHSYVYVPEPSIDQSAVSIALTPQSNGLITCVATWKSLSKARASATVNLTVIRC 216
DB	273	KD-----GVPLPLPPSPVLLIPEIGPOOGTVSCVATHSHGPOSSRAVSIIE- 322
QY	217	PODTGGGINIPGVLSLPSLGFSLPTWKGVGLAGTMLLT-----PTCTLTIRCCC 269
DB	323	PEBEG-----PLAGSVGSGGLTALALGIGLGTALLIVILM 363
QY	270	RRRCGCCNCCRCRCRRKRGFRIOFKSKSEKT--NKETETSGNENSGVNSDEQKT 327
DB	364	QRR-----QRRGERKAPENQEBEERABIN----- 389

QY 328 TETASLPKSCSSDPEQNSCCGP 353
 Db 390 -----QSEPEAGSSSTGCP 404

RESULT 2
 US-09-949-016-11025

/ Sequence 11025, Application US/09949016
 / Patent No. 6812339

/ GENERAL INFORMATION:

/ APPLICANT: VENTER, J. Craig et al.

/ TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED

/ TITLE OF INVENTION: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF

/ FILE REFERENCE: C1001307

/ CURRENT APPLICATION NUMBER: US/09/949,016

/ PRIOR FILING DATE: 2000-04-14

/ PRIOR APPLICATION NUMBER: 60/241,755

/ PRIOR FILING DATE: 2000-10-20

/ PRIOR APPLICATION NUMBER: 60/237,768

/ PRIOR FILING DATE: 2000-10-03

/ PRIOR APPLICATION NUMBER: 60/231,498

/ NUMBER OF SEQ ID NOS: 207012

/ SOFTWARE: FastSeq for Windows Version 4.0

/ SEQ ID NO 11025

/ LENGTH: 404

/ TYPE: PRT

/ ORGANISM: Human

US-09-949-016-11025

Query Match
 Best Local Similarity 23.3%; Score 151; DB 4; Length 404;
 Matches 90; Conservative 38; Mismatches 112; Indels 146; Gaps 19;

QY 9 PEAVSGSGNEVIEGPONATVTKGSOARFNCTYSQ---WKLIMWALSDMWVLSVRPMEP 65
 Db 124 PEIVDSAS--ELTAGVPR-----KVGTCVSEGSYPAGTLSWHLDG-----KP 163
 QY 66 IITNDRFTS-----QRYDQGNFT--SEMIHNVEPSDSGNIR-----CSLQNSRLHGSAY 114
 Db 164 LVPEKGVSVKEQTRRHPEFTGLFTLQSELM---VTPARGDDPRPTSCSFGSLPRHRAL 220
 QY 115 LTVQVMBELFIP---SVNLVVAENEP-----CEVTCLPSSHMTPLPDISWE 156
 Db 221 RTAIQPRWMEPVLEEVOLV--EPREGAVAPGGTTLTCEVPAQPS-----PQIHMM 272
 QY 157 LGLIVSHSSYFVPEPSDLOSASVIALTPQSNGLTCVATWMSLKARKSATVNLTVIRC 216
 Db 273 KD-----GVPLPPLPPSPVLILPEIGPDQGTSCVATHSHGPOESRAVSISIIIE- 322
 QY 217 PDGTGGINIPGVLSLSLPGSLPTWKGVLGLAGTMLT-----PTCTLTTRCCCC 269
 Db 323 PGEEG-----PTAGSVGSGIGLTALALGILGLTALLIGVILW 363
 QY 270 RRRCCGNCRCRCCFCRRKRGFRIOFKSEKKT--NKETETESGNENSGVNSDEQKT 327
 Db 364 QRR-----QRGRERKAPENQEEBERALEIN----- 389
 QY 328 TETASLPKSCSSDPEQNSCCGP 353
 Db 390 -----QSEPEAGSSSTGCP 404

RESULT 3

US-09-638-648-3

/ Sequence 3, Application US/09638648
 / Patent No. 6825164

/ GENERAL INFORMATION:

/ APPLICANT: Stern, David M.

/ APPLICANT: Schmidt, Ann Marie

/ APPLICANT: Yan, Shi Du

/ APPLICANT: Zlokovic, Berislav

/ TITLE OF INVENTION: A METHOD TO INCREASE CEREBRAL BLOOD FLOW IN AMYLOID

/ TITLE OF INVENTION: ANGIOPATHY
 / FILE REFERENCE: 0575/62097
 / CURRENT APPLICATION NUMBER: US/09/638,648
 / CURRENT FILING DATE: 2000-08-14
 / NUMBER OF SEQ ID NOS: 6
 / SOFTWARE: PatentIn Ver. 2.1
 / SEQ ID NO 3
 / LENGTH: 404
 / TYPE: PRT
 / ORGANISM: Human
 US-09-638-648-3

Query Match
 Best Local Similarity 23.3%; Score 151; DB 4; Length 404;
 Matches 90; Conservative 38; Mismatches 112; Indels 146; Gaps 19;

QY 9 PEAVSGSGNEVIEGPONATVTKGSOARFNCTYSQ---WKLIMWALSDMWVLSVRPMEP 65
 Db 124 PEIVDSAS--ELTAGVPR-----KVGTCVSEGSYPAGTLSWHLDG-----KP 163
 QY 66 IITNDRFTS-----QRYDQGNFT--SEMIHNVEPSDSGNIR-----CSLQNSRLHGSAY 114
 Db 164 LVPEKGVSVKEQTRRHPEFTGLFTLQSELM---VTPARGDDPRPTSCSFGSLPRHRAL 220
 QY 115 LTVQVMBELFIP---SVNLVVAENEP-----CEVTCLPSSHMTPLPDISWE 156
 Db 221 RTAIQPRWMEPVLEEVOLV--EPREGAVAPGGTTLTCEVPAQPS-----PQIHMM 272
 QY 157 LGLIVSHSSYFVPEPSDLOSASVIALTPQSNGLTCVATWMSLKARKSATVNLTVIRC 216
 Db 273 KD-----GVPLPPLPPSPVLILPEIGPDQGTSCVATHSHGPOESRAVSISIIIE- 322
 QY 217 PDGTGGINIPGVLSLSLPGSLPTWKGVLGLAGTMLT-----PTCTLTTRCCCC 269
 Db 323 PGEEG-----PTAGSVGSGIGLTALALGILGLTALLIGVILW 363
 QY 270 RRRCCGNCRCRCCFCRRKRGFRIOFKSEKKT--NKETETESGNENSGVNSDEQKT 327
 Db 364 QRR-----QRGRERKAPENQEEBERALEIN----- 389
 QY 328 TETASLPKSCSSDPEQNSCCGP 353
 Db 390 -----QSEPEAGSSSTGCP 404

RESULT 4

US-08-755-235-4

/ Sequence 4, Application US/08755235
 / Patent No. 6790443

/ GENERAL INFORMATION:

/ APPLICANT: Stern, David M.

/ APPLICANT: Schmidt, Ann Marie

/ TITLE OF INVENTION: METHOD FOR TREATING SYMPTOMS OF DIABETES

/ FILE REFERENCE: 0575/50159

/ CURRENT APPLICATION NUMBER: US/08/755,235

/ NUMBER OF SEQ ID NOS: 4

/ SOFTWARE: PatentIn version 3.1

/ SEQ ID NO 4

/ LENGTH: 405

/ TYPE: PRT

/ ORGANISM: Human

US-08-755-235-4

Query Match
 Best Local Similarity 7.0%; Score 145.5; DB 4; Length 405;
 Matches 91; Conservative 36; Mismatches 111; Indels 147; Gaps 20;

QY 9 PEAVSGSGNEVIEGPONATVTKGSOARFNCTYSQ---WKLIMWALSDMWVLSVRPMEP 65
 Db 124 PEIVDSAS--ELTAGVPR-----KVGTCVSEGSYPAGTLSWHLDG-----KP 163

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QY 66 ITTNRFTS-----QRIDOGNFT--SEMIINNEBPSDSGNIR-----CSLONSRLHGSAV 114
DB 164 IVPENKGVSVKQTRRHPTGLFTLOSELM---VTTPARGDDRPPTFSCSPSGLPRLRAL 220
QY 115 LTVQVMGELFLP-----SVNLVVAENEP-----CEVTCLPBHMTRLPDISM 156
DB 221 RFAIPQPRWMEVPLPEBVLLV---EPBGAVAPGCTVTLTCEVPAQPS-----POIHM 272
QY 157 LGLVSHSSYFVPEPSDLQSAVSILALTPQSNGLTVCVATWKSJKARKS-ATVNLTVIR 215
DB 273 KD-----GVPLPLPPSPVILPLPEIGPODGTYSQVATHSHQPSRAVVISISIE 323
QY 216 CPQDTGGGINIRGVULSSLSLPSLPTWKNGLGLAGTMLT-----PTCTLTIRCCC 268
DB 324 -PGEBG-----PTAGSVGSGGLTALALGILGLGTALLIGVIL 363
QY 269 CRRRCGCGNCCRCFCRCRKRGRFRIQFKKSEKEXT--NKETETESGNGNSGYNSDEQK 326
DB 364 WQRR-----ORGEERAPNQBEEERBALN----- 390
QY 327 TTERASLPKSCSSDPEQNSCCGP 353
DB 391 -----QSEPEAGESSSTGP 405

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RESULT 5

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US-08-977-767-3
; Sequence 3, Application US/08977767
; Patent No. 5972684
; GENERAL INFORMATION:
; APPLICANT: Bandman, Olga
; APPLICANT: Yue, Henry
; APPLICANT: Greenwald, Sara
; APPLICANT: Corley, Neil C.
; TITLE OF INVENTION: CARBONIC ANHYDRASE VIII
; NUMBER OF SEQUENCES: 3
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Inocyte Pharmaceuticals, Inc.
; STREET: 3174 Porter Drive
; CITY: Palo Alto
; STATE: CA
; COUNTRY: USA
; ZIP: 94304
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: FastSeq for Windows Version 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/977,767
; FILING DATE: Herewith
; CLASSIFICATION: 424
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER:
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Billings, Lucy J.
; REGISTRATION NUMBER: 36,749
; REFERENCE/DOCKET NUMBER: PF-0423 US
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 650-855-0555
; TELEFAX: 650-845-4166
; TELEX:
; INFORMATION FOR SEQ ID NO: 3:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1345 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; IMMEDIATE SOURCE:
; LIBRARY: GenBank
; CLONE: 1532042
US-08-977-767-3

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Query Match 6.2%; Score 128.5; DB 2; Length 1345;
 Best Local Similarity 33.0%; Pred. No. 0.022;
 Matches 37; Conservative 1; Mismatches 41; Indels 33; Gaps 5;

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QY 190 GTLTCAATWKSJKARKSATVNLTVIRCPQDPTGGI-----NIRGVLSLSLPSLPTWCK 245
DB 414 GTCTCTGT-----GC-CGTGGAGAGCTCAGAGCCCGTGAGTGTGA 455
QY 246 VGLAGLWMLT-PTCTLTIRCCCRRCRCGNCRC-----CFCC 286
DB 456 CGTGAAGAGGCTCTCTATGACCCCTTCTGCCCCCTGTGAGACTGACACC 507

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RESULT 6

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US-09-041-886-25
; Sequence 25, Application US/09041886
; Patent No. 6235872
; GENERAL INFORMATION:
; APPLICANT: Bredeeen, Dale E.
; APPLICANT: Rabizadeh, Sharroz
; TITLE OF INVENTION: Proapoptotic Peptides, Dependence
; TITLE OF INVENTION: Polypeptides and Methods of Use
; NUMBER OF SEQUENCES: 72
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Campbell & Flores LLP
; STREET: 4370 La Jolla Village Drive, Suite 700
; CITY: San Diego
; STATE: California
; COUNTRY: United States
; ZIP: 92122
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC Compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/041,886
; FILING DATE:
; CLASSIFICATION:
; ATTORNEY/AGENT INFORMATION:
; NAME: Campbell, Cathryn A.
; REGISTRATION NUMBER: 31,815
; REFERENCE/DOCKET NUMBER: P-LJ 2626
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (619) 535-9001
; TELEFAX: (619) 535-8949
; INFORMATION FOR SEQ ID NO: 25:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1447 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-09-041-886-25

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Query Match 6.2%; Score 128; DB 3; Length 1447;
 Best Local Similarity 24.8%; Pred. No. 0.027;
 Matches 60; Conservative 33; Mismatches 99; Indels 50; Gaps 10;

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QY 14 SSGNEV-----IEGPNATVKGSOARFNCTVSGW--KLIMMALSDM 55
DB 220 SRTGNEAEVRLISDGLRQLYFLORPSSVVAIEGDAVLECVS-GYPPSPFTWLKGE 278
QY 56 VVLAVRPEPIITNDRFTSORYDQGNFTSEMIINNEBPSDSGNIR-C-SLONSRLHGSA 113
DB 279 VI-----QLRSKKVSLGG--SNLLISNVTDDDSGMYTCVVTVKQENISAGA 323
QY 114 YLTVOVMGELFLPSPVNLVVAENEPCEVTCLPBHMTRLPDISW-ELGLVSHSSYFVPEP 172
DB 324 ELTVLVPPWFLNHPNLVAYESMDIEFECTVS-GKVPVTVMKMKGDVVIPSDYFOIVGG 382
QY 173 SDLOSAVSIALTPQSNGLTVCVATWKSJKARKSATVNLTVIRCPQDPTGGGINIRGVLS 232

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STATE: New York
 COUNTRY: USA
 ZIP: 10591
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: Patent in Release #1.0, Version #1.30
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/374,834
 FILING DATE: 19-JAN-1995
 CLASSIFICATION: 435
 PRIORITY APPLICATION DATA:
 APPLICATION NUMBER: US 08/095,658
 FILING DATE: 21-JUL-1993
 ATTORNEY/AGENT INFORMATION:
 NAME: Cobert, Robert J.
 REGISTRATION NUMBER: 36,108
 TELEPHONE: (914) 345-7400
 TELEFAX: (914) 345-7721
 INFORMATION FOR SEQ ID NO: 16:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 869 amino acids
 TYPE: amino acid
 STRANDEDNESS:
 TOPOLOGY: unknown
 MOLECULE TYPE: protein
 US-08-374-834-16

Query Match 6.1%; Score 127.5; DB 1; Length 869;
 Best Local Similarity 20.9%; Pred. No. 0.015;
 Matches 86; Conservative 51; Mismatches 176; Indels 99; Gaps 19;

19 EVIEGPNATVLKGSQARFNCCTVSGQMK-LIMMALSMDVVLVRPMEPIITDRFTSQRY 77
 122 KITRPINVKIIEGLKAVLPCTTMGNPKPSVSMIKD-----SPLRENSRIAVLE 171
 78 DOGNGFTSEMIHNVPEPSDGNIRCSLONSRHGSAY-LTVQVMBELFIPSVNLVVAENE 136
 172 -----SGSLRIHNVQKEDAGQYRCVAKNSL-GTAYSKVVKLEVEVFARILRAPESHNV 223
 137 P-----CEVTCLPSHMTLRLPDISM-ELGLVSHSSYTFVPEBDLOSANSIALLTQ 187
 224 TFGSFVTLHCTATGIP-----VPTITWINGNAVSSGSIQESVKDRVIDSRQLFTTKP- 277
 188 SNGTLTCVAT-----WKSLEKRSATVNLTVIRCPDPTGG-----INIPGVLSLP 234
 278 --GLYTCLINTNGKEKFTSKAAATISLAWSKPQKDNKGCAQYRGEVNCNAVLAADALV 335
 235 SLGFSL-----PTWGVGLAGLTMLLPTCTLTIRCCCRRCGCGN----- 277
 336 PLNTSVADBEAQLVHTAMNEL-----KVSVPCRPAAALLCNHIFQCSFGVVP 388
 278 -----CCCRCC-----FCRRRGRGRIQOKSEKEKTKETETSGNENSGVNSPEQKT 327
 389 TPPICREYCLAVKELFCAKE-----WLWVEEKTHGLYRSEHMLLVPECSKLPSPHMDP 444
 328 TETASLPKSCSSDEQRNSSCGPHQADRP-----PRPASHPOASFULA 375
 445 TACARLP-----HLDYKNENLKTFFP--MTSSKPSVDIPNLSSSSSSSFSVS 489

RESULT 10
 US-08-644-271-29
 ; Sequence 29, Application US/08644271
 ; Patent No. 5814478
 ; GENERAL INFORMATION:
 ; APPLICANT: Valenzuela, et al.
 ; TITLE OF INVENTION: NOVEL TYROSINE KINASE RECEPTORS
 ; TITLE OF INVENTION: AND LIGANDS
 ; NUMBER OF SEQUENCES: 32

CORRESPONDENCE ADDRESS:
 ADDRESSEE: Regeneron Pharmaceuticals, Inc.
 STREET: 777 Old Saw Mill Road
 CITY: Tarrytown
 STATE: NY
 COUNTRY: USA
 ZIP: 10591
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Diskette
 OPERATING SYSTEM: DOS
 SOFTWARE: FastSeq Version 2.0
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/644,271
 FILING DATE: 10-MAY-1996
 CLASSIFICATION: 435
 PRIORITY APPLICATION DATA:
 APPLICATION NUMBER: USN 60/008,657
 FILING DATE: 15-DEC-1995
 ATTORNEY/AGENT INFORMATION:
 NAME: Cobert, Robert J.
 REGISTRATION NUMBER: 36,108
 TELEPHONE: 914-345-7400
 TELEFAX: 914-345-7721
 TELEX:
 INFORMATION FOR SEQ ID NO: 29:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 869 amino acids
 TYPE: amino acid
 STRANDEDNESS:
 TOPOLOGY: unknown
 MOLECULE TYPE: protein
 US-08-644-271-29

Query Match 6.1%; Score 127.5; DB 2; Length 869;
 Best Local Similarity 20.9%; Pred. No. 0.015;
 Matches 86; Conservative 51; Mismatches 176; Indels 99; Gaps 19;

19 EVIEGPNATVLKGSQARFNCCTVSGQMK-LIMMALSMDVVLVRPMEPIITDRFTSQRY 77
 122 KITRPINVKIIEGLKAVLPCTTMGNPKPSVSMIKD-----SPLRENSRIAVLE 171
 78 DOGNGFTSEMIHNVPEPSDGNIRCSLONSRHGSAY-LTVQVMBELFIPSVNLVVAENE 136
 172 -----SGSLRIHNVQKEDAGQYRCVAKNSL-GTAYSKVVKLEVEVFARILRAPESHNV 223
 137 P-----CEVTCLPSHMTLRLPDISM-ELGLVSHSSYTFVPEBDLOSANSIALLTQ 187
 224 TFGSFVTLHCTATGIP-----VPTITWINGNAVSSGSIQESVKDRVIDSRQLFTTKP- 277
 188 SNGTLTCVAT-----WKSLEKRSATVNLTVIRCPDPTGG-----INIPGVLSLP 234
 278 --GLYTCLINTNGKEKFTSKAAATISLAWSKPQKDNKGCAQYRGEVNCNAVLAADALV 335
 235 SLGFSL-----PTWGVGLAGLTMLLPTCTLTIRCCCRRCGCGN----- 277
 336 PLNTSVADBEAQLVHTAMNEL-----KVSVPCRPAAALLCNHIFQCSFGVVP 388
 278 -----CCCRCC-----FCRRRGRGRIQOKSEKEKTKETETSGNENSGVNSPEQKT 327
 389 TPPICREYCLAVKELFCAKE-----WLWVEEKTHGLYRSEHMLLVPECSKLPSPHMDP 444
 328 TETASLPKSCSSDEQRNSSCGPHQADRP-----PRPASHPOASFULA 375
 445 TACARLP-----HLDYKNENLKTFFP--MTSSKPSVDIPNLSSSSSSSFSVS 489

RESULT 11
 US-09-077-955-33
 ; Sequence 33, Application US/09077955A
 ; Patent No. 6413740

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; GENERAL INFORMATION:
; APPLICANT: Valenzuela et al., David M.
; TITLE OF INVENTION: NOVEL TYROSINE KINASE RECEPTORS AND LIGANDS
; FILE REFERENCE: REG195-B-PCT-US
; CURRENT APPLICATION NUMBER: US/09/077,995A
; EARLIER FILING DATE: 1998-09-10
; EARLIER APPLICATION NUMBER: PCT/US96/20696
; EARLIER FILING DATE: 1996-12-13
; EARLIER APPLICATION NUMBER: 08/644,271
; EARLIER FILING DATE: 1996-05-10
; EARLIER APPLICATION NUMBER: 60/008,657
; NUMBER OF SEQ ID NOS: 36
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 33
; LENGTH: 869
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-077-955-33

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Query Match
Best Local Similarity 6.1%; Score 127.5; DB 4; Length 869;
Matches 86; Conservative 51; Mismatches 176; Indels 99; Gaps 19;

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QY 19 EVIEGPQAVTLKGSQARFNCTVSGWK-LIMWALSDMVLSVRPMEPIITNDPFTSORY 77
DB 122 KITRPPIVWKIEGLKAVLPCTTGNPKPSVSWIKGD-----SPLRENGRIAVLE- 171
QY 78 DQGNFTSEMIHNVBPSDSGNIRCSLONSRHGSAY-LTVQVMGELFTIPSVNLVVAENE 136
DB 172 -----SGSLRIHVQKEDAGQYRCVAKNSL-GTAVSKVKLEFVFARILAPESHNV 223
QY 137 P-----CEVTLPSHMTRLPDISW-ELGLVSHSSYFVPEPSDLOSAVSIALLTPQ 187
DB 224 TFGSFVTLHCTATGIP-----VPTITWENGNAVSSGSIQESVKDVIDSRQLQFITKP- 277
QY 188 SNGTLTCVAT-----WKSLLKARKSATVNLTVIRCPDPTGGG-----INPQVLSLP 234
DB 278 --GLYTCIATNKGEKFKSTAKAATISIAEWSKRPQDNKGCAQYRGVCAVIALKDALV 335
QY 235 SLGFSL-----PTWKAIVGLAGLMTLPTPTTLTRCCCRRCGCCGN----- 277
DB 336 FLVTSIADPEBAQELLVHTAMNEL-----KVVSFVCPRAEALLCNHIFQECSPGVVP 388
QY 278 -----CCCRCC-----FCCRRKRGFRIOFKSEKENTKETEETSGNENSGVNSDEQKT 327
DB 389 TPPICREYCLAVKELFAKE-----WLVMEKTHRGLYRSEWHLLSVBECSLPMSHMDP 444
QY 328 TETASLPKSCSSSDPEQNSSCGPPHQAQRP-----PRPASHPOASFNLA 375
DB 445 TACARLP-----HLDYKNENLMTFPP--MTSSKSPVDIPNLPSSSSSSFSVS 489

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RESULT 12
US-09-062-365-1
; Sequence 1, Application US/09062365
; Patent No. 6465432
; GENERAL INFORMATION:
; APPLICANT: Schmidt, Ann Marie
; TITLE OF INVENTION: METHOD FOR INHIBITING TUMOR INVASION OR SPREADING IN A
; FILE REFERENCE: 55424
; CURRENT APPLICATION NUMBER: US/09/062,365
; NUMBER OF SEQ ID NOS: 6
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 1
; LENGTH: 332
; TYPE: PRT
; ORGANISM: Human
US-09-062-365-1

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Query Match
Best Local Similarity 6.1%; Score 127; DB 4; Length 332;
Matches 70; Conservative 31; Mismatches 87; Indels 92; Gaps 15;

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QY 9 PEAVSGSGNEVIEGPQAVTLKGSQARFNCTVSGWK-LIMWALSDMVLSVRPMEPIITNDPFTSORY 65
DB 102 PEIVDSAS--ELTAVGPV-----KVGCVSEBSGSPACTLSMHLIDG-----KP 141
QY 66 ITNDPFTS-----QRYDQGNFT--SEMIHNVBPSDSGNIR-----CSLONSRHGSAY 114
DB 142 LVPEKGVSVKQTRHPETGLFTLOSRLM---VTPARGDPPTPFCSPSPGLPRRAL 198
QY 115 LTVQVMGELFTIP-----SVNLVVAENP-----CEVTLPSHMTRLPDISW 156
DB 199 RTAPIQPRVMEPVPLEEVQLV---EPBGAVNAGGVTITLCEVPAQS-----PQIHWM 250
QY 157 LGVLVSHSSYFVPEPSDLOSAVSIALLTPQSNGLTLCVATWKSLLKARKSATVNLTVIR 216
DB 251 KD-----GVPLPPLPSPFVLILPEIGPDQGTGSCVATHSHQPSBRAVSIGITE- 300
QY 217 PDYTGGINIPGVLSLPSIGFSLPTWGXVGLGLAGTMLL 256
DB 301 PGEBSG-----PTAGSVSGSLGTLL 321

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RESULT 13
US-09-715-249-8
; Sequence 8, Application US/09715249
; Patent No. 6790614
; GENERAL INFORMATION:
; APPLICANT: NOVARTIS AG
; APPLICANT: VERES, GABOR
; TITLE OF INVENTION: selectable cell surface marker genes
; FILE REFERENCE: 4-31192
; CURRENT APPLICATION NUMBER: US/09/715,249
; PRIOR APPLICATION DATE: 2000-11-17
; PRIOR APPLICATION NUMBER: us 60/166594
; PRIOR FILING DATE: 1999-11-19
; PRIOR APPLICATION NUMBER: us 09/539248
; NUMBER OF SEQ ID NOS: 16
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 8
; LENGTH: 869
; TYPE: PRT
; ORGANISM: MUSK
US-09-715-249-8

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Query Match
Best Local Similarity 6.0%; Score 125.5; DB 4; Length 869;
Matches 54; Conservative 32; Mismatches 93; Indels 41; Gaps 10;

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QY 19 EVIEGPQAVTLKGSQARFNCTVSGWK-LIMWALSDMVLSVRPMEPIITNDPFTSORY 77
DB 122 KITRPPIVWKIEGLKAVLPCTTGNPKPSVSWIKGD-----SPLRENGRIAVLE- 171
QY 78 DQGNFTSEMIHNVBPSDSGNIRCSLONSRHGSAY-LTVQVMGELFTIPSVNLVVAENE 136
DB 172 -----SGSLRIHVQKEDAGQYRCVAKNSL-GTAVSKVKLEFVFARILAPESHNV 223
QY 137 P-----CEVTLPSHMTRLPDISW-ELGLVSHSSYFVPEPSDLOSAVSIALLTPQ 187
DB 224 TFGSFVTLHCTATGIP-----VPTITWENGNAVSSGSIQESVKDVIDSRQLQFITKP- 277
QY 188 SNGTLTCVAT-----WKSLLKARKSATVNLTVIRCPDPTGGG 223
DB 278 --GLYTCIATNKGEKFKSTAKAATISIAEWSKRPQDNKG 315

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RESULT 14
US-09-961-403-3
; Sequence 3, Application US/09961403

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Patent No. 6780594
GENERAL INFORMATION:
APPLICANT: HE-STUMPP, HOLGER
APPLICANT: HAENDLER, BERNARD
APPLICANT: KRAETZSCHMAR, JOERN
APPLICANT: KREFT, BERTHOLT
APPLICANT: WINTERHAGER, ELKE
APPLICANT: REGIDOR, PEDRO
APPLICANT: SCOTTI, SIMONE
TITLE OF INVENTION: METHOD FOR IN VITRO DIAGNOSIS OF ENDOMETRIOSIS
FILE REFERENCE: SCH-1789
CURRENT APPLICATION NUMBER: US/09/961,403
CURRENT FILING DATE: 2001-09-25
NUMBER OF SEQ ID NOS: 15
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 3
LENGTH: 1070
TYPE: PRF
ORGANISM: Homo sapiens
US-09-961-403-3

Query Match
Best Local Similarity 24.8%; Score 125; DB 4; Length 1070;
Matches 59; Conservative 34; Mismatches 109; Indels 36; Gaps 10;

QY 11 AVSGSGNEVIEGPONATVYKGSQARFNCTVS-QGKLMALSDMVLSVRPMEPIITN 69
DB 218 SIADESFARVVALPODVVARYEAMFHQFSAQPPSLQWLFEDTPTTNSRPHLR 277
QY 70 DFTSORVYQGGNFTSEMIIHNVPEPSDSGNIRCSLNSR-----LHGSAYLTQVWGELE 124
DB 278 ATVFA-----NCSLLITQVRPNAGIYRCIGQGGGPPILLEATHLAEIEMPLF 328
QY 125 IPSVNLVAENBCEVTCLPSHWTRLPDISWB-LGL-LVSHSYFVPEPSDLQSAVSL 182
DB 329 EPRVFTAGESE---RVTCLPRKGLPEPSVWMEHAGVRLPTHGRVY-----QKGHELV 378
QY 183 ALTPQSN-GLTCVATWKSLLKARKSATVNLTV-----IRCPDPTGGGINIPGVSSL 233
DB 379 ANIASDAGVYTCCHA--MLAGQRQDVNITVATVPSPWLKKPQDSQLEBGRKPGYLDCL 434

RESULT 15
US-09-651-200-2
Sequence 2, Application US/09651200
Patent No. 6429303
GENERAL INFORMATION:
APPLICANT: Green et al
TITLE OF INVENTION: Polynucleotides Encoding Members of the Human B
TITLE OF INVENTION: Lymphocyte Activation Antigen B-7 Family and
FILE REFERENCE: 15966-562 (CURA-62)
CURRENT APPLICATION NUMBER: US/09/651,200
CURRENT FILING DATE: 2000-08-30
PRIOR APPLICATION NUMBER: 60/152383
PRIOR FILING DATE: 1999-09-03
PRIOR APPLICATION NUMBER: 60/172909
PRIOR FILING DATE: 1999-12-21
PRIOR APPLICATION NUMBER: 60/183578
PRIOR FILING DATE: 2000-02-18
NUMBER OF SEQ ID NOS: 25
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 2
LENGTH: 340
TYPE: PRF
ORGANISM: Homo sapiens
US-09-651-200-2

Query Match
Best Local Similarity 6.0%; Score 124.5; DB 4; Length 340;
Matches 77; Conservative 51; Mismatches 127; Indels 109; Gaps 17;

QY 14 SSGSNEVIEGPONATV-LKGSQARFNCTVS--QGKLM-----IMMALSDMVLSVRPMEPI 66
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DB 48 SPTGAVEVQVEPDPPVALVGTATLHCSESPSPGFSLTQVNLIMQTLDTKQLV----- 100
QY 67 ITNDRFTSORVYQGGNF-----TSEMIIHNVPEPSDSGNIRCSLQNSRLHGS 112
DB 101 ---HSFTGGR-DQGSAYANRTALPPDLLAQGNASRLQVRVADEGSPFCFV-SIRDFGS 155
QY 113 AYLTVQWGELEFPBSVNLV-----VAENBCEVTCLPSHWTRLP--DISWELGL---LVSH 163
DB 156 AAVSLQVAAPYSKPSMTLEPNKDLRPGDTVITTC--SSYRGYPAEAVFWQDQGVPLTGN 213
QY 164 SSYFVPEPSDLQSAVSLALTPQSNGLTCVATWKSLLKARKSATVNLTVIRCP---QDT 220
DB 214 VTSQMANEGGLPDVHSLRVVLGANGTYS-----LVANPVULQDQA 255
QY 221 GGGINIPGVLSLPSLGSLLPTWKGVLGLAGTMLLTPTCTLTIRCCCRARRCCGCGNCCC 280
DB 256 HGSVITITGQPMTFPPEAL---WTVGLSLCLIALLV----- 288
QY 281 RCCFCRRKRGFRITQPKKSEKKTNETETESGNGSNGYNSDEQKTTETASLPKSCS 340
DB 289 ALAFVCMRK-----IKQSCBENAGAEQDQ-----EGSGXTVALQPLKHSDS 331
QY 341 SDPE 344
DB 332 KEDD 335

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Job time : 20.0659 secs
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GenCore version 5.1.6
Copyright (c) 1993 - 2005 CompuGen Ltd.

OM protein - protein search, using sw model

Run on: February 22, 2005, 19:26:31, Search time 73.253 Seconds
(without alignments)

1724.366 Million cell updates/sec

Title: us-09-729-264-6

Perfect score: 2077

Sequence: 1 MERHLITVPEAVSGSGNEV.....HPQASFNLSPEKVSNTTVV 386

Scoring table: BLOSUM62

dapop 10.0, Gapext 0.5

Searched: 1380268 seqs, 327241040 residues

Total number of hits satisfying chosen parameters: 1380268

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Published Applications AA:*

- 1: /cgn2_6/ptodata/2/pubpaa/US07_PUBCOMB.pep.*
- 2: /cgn2_6/ptodata/2/pubpaa/PCT_NEW_PUB.pep.*
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- 19: /cgn2_6/ptodata/2/pubpaa/US60_PUBCOMB.pep.*
- 20: /cgn2_6/ptodata/2/pubpaa/US60_PUBCOMB.pep.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	2017	97.1	407	US-10-104-047-3074	Sequence 3074, App
2	151	7.3	390	US-10-309-290-98	Sequence 98, App1
3	151	7.3	390	US-10-309-290-100	Sequence 100, App
4	151	7.3	404	US-10-309-290-96	Sequence 96, App1
5	145.5	7.0	405	US-08-755-235-4	Sequence 4, App1
6	139.5	6.7	344	US-10-306-133-3	Sequence 3, App1
7	138.5	6.7	2473	US-10-184-644-559	Sequence 559, App
8	138.5	6.7	2473	US-10-184-634-559	Sequence 559, App
9	138	6.6	633	US-10-180-410-26	Sequence 26, App1
10	137.5	6.6	344	US-10-015-115-87	Sequence 87, App1
11	135	6.5	1477	US-10-274-583-20	Sequence 20, App1
12	135	6.5	1479	US-10-231-956A-325	Sequence 325, App
13	135	6.5	1496	US-10-021-660-125	Sequence 125, App

14	135	6.5	1496	15	US-10-331-496A-28	Sequence 28, App1
15	135	6.5	1496	15	US-10-211-462-87	Sequence 87, App1
16	135	6.5	1498	15	US-10-243-552-899	Sequence 899, App
17	135	6.5	1498	15	US-10-276-774-1957	Sequence 1957, App
18	134	6.5	592	14	US-10-180-410-2	Sequence 2, App1
19	134	6.5	592	15	US-10-312-528-2	Sequence 2, App1
20	134	6.5	594	14	US-10-180-410-12	Sequence 12, App1
21	134	6.5	594	15	US-10-312-528-12	Sequence 12, App1
22	134	6.5	708	13	US-10-052-586-584	Sequence 584, App
23	134	6.5	708	14	US-10-174-590-584	Sequence 584, App
24	134	6.5	708	14	US-10-176-758-584	Sequence 584, App
25	134	6.5	708	14	US-10-175-737-584	Sequence 584, App
26	134	6.5	708	14	US-10-175-737-584	Sequence 584, App
27	134	6.5	708	14	US-10-176-483-584	Sequence 584, App
28	134	6.5	708	14	US-10-176-749-584	Sequence 584, App
29	134	6.5	708	14	US-10-176-914-584	Sequence 584, App
30	134	6.5	708	14	US-10-176-915-584	Sequence 584, App
31	134	6.5	708	14	US-10-173-706-584	Sequence 584, App
32	134	6.5	708	14	US-10-175-738-584	Sequence 584, App
33	134	6.5	708	14	US-10-175-752-584	Sequence 584, App
34	134	6.5	708	14	US-10-176-482-584	Sequence 584, App
35	134	6.5	708	14	US-10-176-757-584	Sequence 584, App
36	134	6.5	708	14	US-10-176-913-584	Sequence 584, App
37	134	6.5	708	14	US-10-180-552-584	Sequence 584, App
38	134	6.5	708	14	US-10-180-557-584	Sequence 584, App
39	134	6.5	708	14	US-10-173-700-584	Sequence 584, App
40	134	6.5	708	14	US-10-174-572-584	Sequence 584, App
41	134	6.5	708	14	US-10-174-579-584	Sequence 584, App
42	134	6.5	708	14	US-10-174-582-584	Sequence 584, App
43	134	6.5	708	14	US-10-174-588-584	Sequence 584, App
44	134	6.5	708	14	US-10-175-739-584	Sequence 584, App
45	134	6.5	708	14	US-10-175-740-584	Sequence 584, App

ALIGNMENTS

RESULT 1
US-10-104-047-3074
; Sequence 3074, Application US/10104047
; Publication No. US20030236392A1
; GENERAL INFORMATION:
; APPLICANT: HELIX RESEARCH INSTITUTE
; TITLE OF INVENTION: NO. US20030236392A1 full length cDNA
; FILE REFERENCE: H1-A0105
; CURRENT APPLICATION NUMBER: US/10/104,047
; CURRENT FILING DATE: 2002-03-25
; PRIOR APPLICATION NUMBER:
; NUMBER OF SEQ ID NOS: 4096
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 3074
; LENGTH: 407
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-104-047-3074

Query Match	97.1%	Score 2017;	DB 15;	Length 407;
Best Local Similarity	100.0%	Pred. No. 3.7e-158;		
Matches 374;	Conservative	0;	Mismatches 0;	Indels 0;
			Gaps	0;
QY	13	GGSGNEVIEGPNATVTKGSGARFNCVYSGQWKLIMWLSMVVLSVPMPIITNDF	72	
DB	34	GGSGNEVIEGPNATVTKGSGARFNCVYSGQWKLIMWLSMVVLSVPMPIITNDF	93	
QY	73	TSQRYDQGNFTSEMIINHVEPSDGSNTRCSLQNSRLHGSAYLTQVWGEFLIPSYNLV	132	
DB	94	TSQRYDQGNFTSEMIINHVEPSDGSNTRCSLQNSRLHGSAYLTQVWGEFLIPSYNLV	153	
QY	133	AENEPCVETCLPDSHWTRLPDISWELGLVSHSYFVPEPSDLOSASVSLATLPQSGNGL	192	
DB	154	AENEPCVETCLPDSHWTRLPDISWELGLVSHSYFVPEPSDLOSASVSLATLPQSGNGL	213	

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QY 193 TCVAATWKSILKARSAATVNLTVIRCPDPTGGGINIPGVLSLPSLGFSLPTWKGVLGAG 252
DB 214 TCVAATWKSILKARSAATVNLTVIRCPDPTGGGINIPGVLSLPSLGFSLPTWKGVLGAG 273
QY 253 TMLLTPTCTLTTRCCCRRCRCGCCGCCRCRCRGRFRIQFOKSEKETMKTETETE 312
DB 274 TMLLTPTCTLTTRCCCRRCRCGCCGCCRCRCRGRFRIQFOKSEKETMKTETETE 333
QY 313 SGNENSGVNSDCKTETETSLPPKSCSSDPEQNNSSCGPPHORADQRP RPASHPOASF 372
DB 334 SGNENSGVNSDCKTETETSLPPKSCSSDPEQNNSSCGPPHORADQRP RPASHPOASF 393
QY 373 NLASPEKVSNTTVV 386
DB 394 NLASPEKVSNTTVV 407

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RESULT 2

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US-10-309-290-98
; Sequence 98, Application US/10309290
; Publication No. US20040023241A1
; GENERAL INFORMATION:
; APPLICANT: Alsobrook II, John P.
; APPLICANT: Anderson, David W.
; APPLICANT: Boldog, Ferenc L.
; APPLICANT: Burgess, Catherine E.
; APPLICANT: Chilikuru, Rajeev A.
; APPLICANT: Edinger, Shlomit R.
; APPLICANT: Gerlach, Valerie L.
; APPLICANT: Gorman, Linda
; APPLICANT: Gould-Rothberg, Bonnie E.
; APPLICANT: Guo, Xiaojia
; APPLICANT: Jeffers, Michael E.
; APPLICANT: Ji, Weizhen
; APPLICANT: Li, Li
; APPLICANT: Malyankar, Uriel M.
; APPLICANT: Miller, Charles E.
; APPLICANT: Murphy, Ryan
; APPLICANT: Paturajan, Meera
; APPLICANT: Peyman, John A.
; APPLICANT: Rastelli, Luca
; APPLICANT: Rieger, Daniel K.
; APPLICANT: Shenoy, Suresh G.
; APPLICANT: Smithson, Glenda
; APPLICANT: Starling, Gary
; APPLICANT: Taupier, Raymond J.
; APPLICANT: Voss, Edward Z.
; APPLICANT: Zhong, Haihong
; APPLICANT: Zhong, Wei
; TITLE OF INVENTION: THERAPEUTIC POLYPEPTIDES, NUCLEIC ACIDS ENCODING SAME, AND METHOD
; FILE REFERENCE: 21402-502A
; CURRENT APPLICATION NUMBER: US/10309,290
; PRIOR APPLICATION NUMBER: 2002-12-02
; PRIOR APPLICATION NUMBER: 60/336,600
; PRIOR FILING DATE: 2001-12-05
; PRIOR APPLICATION NUMBER: 60/338,285
; PRIOR FILING DATE: 2001-12-07
; PRIOR APPLICATION NUMBER: 60/341,346
; PRIOR FILING DATE: 2001-12-12
; PRIOR APPLICATION NUMBER: 60/341,477
; PRIOR FILING DATE: 2001-12-17
; PRIOR APPLICATION NUMBER: 60/341,540
; PRIOR FILING DATE: 2001-12-17
; PRIOR APPLICATION NUMBER: 60/342,592
; PRIOR FILING DATE: 2001-12-20
; PRIOR APPLICATION NUMBER: 60/344,297
; PRIOR FILING DATE: 2001-12-27
; PRIOR APPLICATION NUMBER: 60/344,903
; PRIOR FILING DATE: 2001-12-31
; PRIOR APPLICATION NUMBER: 60/373,288
; PRIOR FILING DATE: 2002-04-17
; PRIOR APPLICATION NUMBER: 60/380,981
; PRIOR FILING DATE: 2002-05-15

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; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 274
; SOFTWARE: Cureseq1ist version 0.1
; SEQ ID NO 98
; LENGTH: 390
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-309-290-98

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Query Match 7.3%; Score 151; DB 15; Length 390;
Best Local Similarity 23.3%; Pred. No. 0.00062;
Matches 90; Conservative 38; Mismatches 112; Indels 146; Gaps 19;

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QY 66 IITNDRFTS-----QRYDOGNFT--SEMIIHNVEPSDSGNIR---CSLQNSRLHGSAY 114
DB 150 LVPEKGVSVKEQRRHREFTGLFTLQSELM---VTPARGDDPRTSCSFSFGLPRHRAL 206
QY 115 LTVQVMGSLFIP---SVNLVAENEP-----CEVTCLPSSHWTSLPDISWE 156
DB 207 RTAPIQPRWEPVPLIEEVLV---EBEGAVAPGCVTLTLCVPAQPS-----PQIHMM 258
QY 157 LGLVSHSYVFVEPEPSDLSAVSILALTPOSGNGLTCVATWKSILKARSAATVNLTVIRC 216
DB 259 KD-----GVFLPFPSPVLILPRIGPDGTVSCVAVTHSSHQPOESRAVSIIR 308
QY 217 PQTGGGINIPGVLSLPSLGFSLPTWKGVLGAGTMTLT-----PTCTLTTRCCCC 269
DB 309 PGEERG-----PTAGSVGSGGIGTLALGIGLGTALLGVLIM 349
QY 270 RRRCCGNCRCRCFCRCRRRGRFRIQFOKSEKET--NKEFTESGNENSGVNSDEQKT 327
DB 350 QRR-----QRRGERRAVENQEBEERRAELN----- 375
QY 328 TETASLPPKSCSSDPEQNNSSCGPP 353
DB 376 -----QSEEPDAGESSSTGGP 390

```

RESULT 3

```

US-10-309-290-100
; Sequence 100, Application US/10309290
; Publication No. US20040023241A1
; GENERAL INFORMATION:
; APPLICANT: Alsobrook II, John P.
; APPLICANT: Anderson, David W.
; APPLICANT: Boldog, Ferenc L.
; APPLICANT: Burgess, Catherine E.
; APPLICANT: Chilikuru, Rajeev A.
; APPLICANT: Edinger, Shlomit R.
; APPLICANT: Gerlach, Valerie L.
; APPLICANT: Gorman, Linda
; APPLICANT: Gould-Rothberg, Bonnie E.
; APPLICANT: Guo, Xiaojia
; APPLICANT: Jeffers, Michael E.
; APPLICANT: Ji, Weizhen
; APPLICANT: Li, Li
; APPLICANT: Malyankar, Uriel M.
; APPLICANT: Miller, Charles E.
; APPLICANT: Murphy, Ryan
; APPLICANT: Paturajan, Meera
; APPLICANT: Peyman, John A.
; APPLICANT: Rastelli, Luca
; APPLICANT: Rieger, Daniel K.
; APPLICANT: Shenoy, Suresh G.
; APPLICANT: Smithson, Glenda
; APPLICANT: Starling, Gary
; APPLICANT: Taupier, Raymond J.
; APPLICANT: Voss, Edward Z.
; APPLICANT: Zhong, Haihong

```

```

APPLICANT: Zhong, Mei
TITLE OF INVENTION: THERAPEUTIC POLYPEPTIDES, NUCLEIC ACIDS ENCODING SAME, AND METHOD
FILE REFERENCE: 21402-502A
CURRENT FILING DATE: 2002-12-02
PRIOR APPLICATION NUMBER: 60/336,600
PRIOR FILING DATE: 2001-12-05
PRIOR APPLICATION NUMBER: 60/338,285
PRIOR FILING DATE: 2001-12-07
PRIOR APPLICATION NUMBER: 60/341,346
PRIOR FILING DATE: 2001-12-12
PRIOR APPLICATION NUMBER: 60/341,477
PRIOR FILING DATE: 2001-12-17
PRIOR APPLICATION NUMBER: 60/341,540
PRIOR FILING DATE: 2001-12-17
PRIOR APPLICATION NUMBER: 60/342,592
PRIOR FILING DATE: 2001-12-20
PRIOR APPLICATION NUMBER: 60/344,297
PRIOR FILING DATE: 2001-12-27
PRIOR APPLICATION NUMBER: 60/344,903
PRIOR FILING DATE: 2001-12-31
PRIOR APPLICATION NUMBER: 60/373,288
PRIOR FILING DATE: 2002-04-17
PRIOR APPLICATION NUMBER: 60/380,981
PRIOR FILING DATE: 2002-05-15
Remaining Prior Application data removed - See File Wrapper or PALM.
NUMBER OF SEQ ID NOS: 274
SOFTWARE: CuroSeqList version 0.1
SEQ ID NO 100
LENGTH: 390
TYPE: PRT
ORGANISM: Homo sapiens
US-10-309-290-100

```

Query Match 7.3%; Score 151; DB 15; Length 390;

Best Local Similarity 23.3%; Pred. No. 0.0062; Matches 90; Conservative 38; Mismatches 112; Indels 146; Gaps 19;

```

QY 9 PEAVSGSGNEVIEGPONATVLKGSQARFNCVSG--WKLIMALSDMVLSVRPMP 65
DB 110 PEIVDSAS--ELTAGVFN-----KVGTCSGSGYPAGTILSWHLDG-----KP 149
QY 66 IITNDRFTS-----QRYDGGNFT--SEMIHNVBPSDSGNR-----CSLQSRRLHGSAY 114
DB 150 LVNENKGVSVKQETRRHPETGLFTLOSELN--VTPARGDPRPTSCSPSPGLPHRRL 206
QY 115 LTVQVWGEFLIP-----SVNLVAENBP-----CEVTLPSHMTRLPDISWE 156
DB 207 RTAPIQPRWEPPLLEEVQLVV--EPGGAVAPGGTVTLTCEVPAQPS-----PQIHNM 258
QY 157 LGLLVSHSSYFVPEPSDLOSASVIALTPQSNGLTLCVATWKSLLARKSATVNLTVINC 216
DB 259 KD-----GVPLPLPSPVILPEIGPDQGTSCVATHSHGQESRAVISIIE- 308
QY 217 PDGTGGINIPGLVLSLPSLGSFLPTWKGVLGLAGTMTLT-----PCTCLTRCCC 269
DB 309 PGEEG-----PTAGSVSGSLGTALALGILGLTAAALLIIVILM 349
QY 270 RRRCCCNCCRCFCRRKRGFRIOFKKSEKXT--NKETESGENSGYNSDEQKT 327
DB 350 QRR-----QRRGERKAPENQEBEERAEALN----- 375
QY 328 TETASLPKSCSSDPEQRNSCGPP 353
DB 376 -----QSEEPDEAGESSYTCP 390

```

RESULT 4
US-10-309-290-96
Sequence 96, Application US/10309290
Publication No. US20040023241A1
GENERAL INFORMATION:
APPLICANT: Alabrook II, John P.

```

APPLICANT: Anderson, David W.
APPLICANT: Boldog, Ferenc L.
APPLICANT: Burgess, Catherine E.
APPLICANT: Chillakuru, Rajeev A.
APPLICANT: Edinger, Shlomit R.
APPLICANT: Gerlach, Valerie L.
APPLICANT: Gorman, Linda
APPLICANT: Gould-Rothberg, Bonnie E.
APPLICANT: Guo, Xiaojia
APPLICANT: Jeffers, Michael E.
APPLICANT: Ji, Weizhen
APPLICANT: Li, Li
APPLICANT: Malvankar, Uriel M.
APPLICANT: Miller, Charles E.
APPLICANT: Murphy, Ryan
APPLICANT: Paturajan, Meera
APPLICANT: Peyman, John A.
APPLICANT: Rastelli, Luca
APPLICANT: Rieger, Daniel K.
APPLICANT: Shenoy, Suresh G.
APPLICANT: Smithson, Glenda
APPLICANT: Starling, Gary
APPLICANT: Taupier, Raymond J.
APPLICANT: Voss, Edward Z.
APPLICANT: Zhong, Haibong
APPLICANT: Zhong, Mei
TITLE OF INVENTION: THERAPEUTIC POLYPEPTIDES, NUCLEIC ACIDS ENCODING SAME, AND METHOD
FILE REFERENCE: 21402-502A
CURRENT FILING DATE: 2002-12-02
PRIOR APPLICATION NUMBER: 60/336,600
PRIOR FILING DATE: 2001-12-05
PRIOR APPLICATION NUMBER: 60/338,285
PRIOR FILING DATE: 2001-12-07
PRIOR APPLICATION NUMBER: 60/341,346
PRIOR FILING DATE: 2001-12-12
PRIOR APPLICATION NUMBER: 60/341,477
PRIOR FILING DATE: 2001-12-17
PRIOR APPLICATION NUMBER: 60/341,540
PRIOR FILING DATE: 2001-12-17
PRIOR APPLICATION NUMBER: 60/342,592
PRIOR FILING DATE: 2001-12-20
PRIOR APPLICATION NUMBER: 60/344,297
PRIOR FILING DATE: 2001-12-27
PRIOR APPLICATION NUMBER: 60/344,903
PRIOR FILING DATE: 2001-12-31
PRIOR APPLICATION NUMBER: 60/373,288
PRIOR FILING DATE: 2002-04-17
PRIOR APPLICATION NUMBER: 60/380,981
PRIOR FILING DATE: 2002-05-15
Remaining Prior Application data removed - See File Wrapper or PALM.
NUMBER OF SEQ ID NOS: 274
SOFTWARE: CuroSeqList version 0.1
SEQ ID NO 96
LENGTH: 404
TYPE: PRT
ORGANISM: Homo sapiens
US-10-309-290-96

```

Query Match 7.3%; Score 151; DB 15; Length 404;

Best Local Similarity 23.3%; Pred. No. 0.0065; Matches 90; Conservative 38; Mismatches 112; Indels 146; Gaps 19;

```

QY 9 PEAVSGSGNEVIEGPONATVLKGSQARFNCVSG--WKLIMALSDMVLSVRPMP 65
DB 124 PEIVDSAS--ELTAGVFN-----KVGTCSGSGYPAGTILSWHLDG-----KP 163
QY 66 IITNDRFTS-----QRYDGGNFT--SEMIHNVBPSDSGNR-----CSLQSRRLHGSAY 114
DB 164 LVNENKGVSVKQETRRHPETGLFTLOSELN--VTPARGDPRPTSCSPSPGLPHRRL 220
QY 115 LTVQVWGEFLIP-----SVNLVAENBP-----CEVTLPSHMTRLPDISWE 156

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Db      221 RTAPIQRPWEPPVLEEVOLV---BPEGAVAPGTVTLTCEVPAQPS-----PQIHMM 272
Qy      157 LGLLVSHSSYYFVPEPSDLOSAVSIALTPQSNGLTLCVAATWKSILKARSAVNLTVIRC 216
Db      273 KD-----GVPDLPLPSPVILPEIGPDQGTISCVATHSSHQPOBSRAVVISIIE- 322
Qy      217 PDRTGGGINIPGVLSLPSLGFSLPTWKGVLGLAGTMLT-----PTCTLTIRCCC 269
Db      323 PGEERG-----PTAGSVGSGGLGTLLALGILGIGTALLIGVILM 363
Qy      270 RRRCCGCCNCCRCFCRRRRGPRIOFOKSEKERT--NKETETSGNENSGYNDEQKT 327
Db      364 QRR-----QRRGERKAPENQEBEERAEIN----- 389
Qy      328 TETASLPPKSCSSDPEQNSGCCPP 353
Db      390 -----QSEEPHAGESSTGCP 404

```

```

RESULT 5
US-08-755-235-4
; Sequence 4, Application US/08755235
; Publication No. US20030059423A1
; GENERAL INFORMATION:
; APPLICANT: Stern, David M.
; APPLICANT: Schmidt, Ann Marie
; TITLE OF INVENTION: METHOD FOR TREATING SYMPTOMS OF DIABETES
; FILE REFERENCE: 0575/50159
; CURRENT APPLICATION NUMBER: US/08/755, 235
; CURRENT FILING DATE: 1996-11-22
; NUMBER OF SEQ ID NOS: 4
; SOFTWARE: Patent in version 3.1
; SEQ ID NO 4
; LENGTH: 405
; TYPE: PRT
; ORGANISM: Human
US-08-755-235-4

```

```

Query Match
Best Local Similarity 7.0%; Score 145.5; DB 8; Length 405;
Matches 91; Conservative 38; Mismatches 111; Indels 147; Gaps 20;

Qy      9 PEAVSGSGNEVEFGPQNAATVLKGSQARPCNYSGC---WKLIMWLSDMVTVLSVRPMP 65
Db      124 PEIVDSAS--ELTAGVFN-----KVGTCVSESGYPAGTLSWHLDG-----KP 163
Qy      66 IITNDPFTS---QRYDQGNFT--SEMIINHVPEPSDSGNIR---CSLQNSRLHGSAY 114
Db      164 LVENKGVSVKQTRHPETGLFTLQSEIM---VTPARGDPRPTFSGSFSFGLPFRHRAL 220
Qy      115 LTVQVWGELEFIP---SVLVVAENEP-----CEVTCLEPSHWTLPDISWE 156
Db      221 RTAPIQRPWEPPVLEEVOLV---BPEGAVAPGTVTLTCEVPAQPS-----PQIHMM 272
Qy      157 LGLLVSHSSYYFVPEPSDLOSAVSIALTPQSNGLTLCVAATWKSILKARSAVNLTVIRC 216
Db      273 KD-----GVPDLPLPSPVILPEIGPDQGTISCVATHSSHQPOBSRAVVISIIE- 322
Qy      217 PDRTGGGINIPGVLSLPSLGFSLPTWKGVLGLAGTMLT-----PTCTLTIRCCC 269
Db      323 PGEERG-----PTAGSVGSGGLGTLLALGILGIGTALLIGVILM 363
Qy      270 RRRCCGCCNCCRCFCRRRRGPRIOFOKSEKERT--NKETETSGNENSGYNDEQKT 327
Db      364 QRR-----QRRGERKAPENQEBEERAEIN----- 389
Qy      328 TETASLPPKSCSSDPEQNSGCCPP 353
Db      390 -----QSEEPHAGESSTGCP 404

```

RESULT 6

US-10-306-133-3

```

; Sequence 3, Application US/10306133
; Publication No. US20030100485A1
; GENERAL INFORMATION:
; APPLICANT: Lal, Preeti
; APPLICANT: Guegler, Karl J.
; TITLE OF INVENTION: HUMAN NEUROTROPIC HOMOLOG
; NUMBER OF SEQUENCES: 3
; CORRESPONDENCE ADDRESS:
; ADDRESS: Incyte Pharmaceuticals, Inc.
; STREET: 3174 Porter Drive
; CITY: Palo Alto
; STATE: CA
; COUNTRY: USA
; ZIP: 94304

```

COMPUTER READABLE FORM:

```

; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: FastSeq for Windows Version 2.0

```

CURRENT APPLICATION DATA:

```

; APPLICATION NUMBER: US/10/306,133
; FILING DATE: 27-No. US20030100485A1-2002
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/09/009,841
; FILING DATE: <Unknown>

```

ATTORNEY/AGENT INFORMATION:

NAME: Billings, Lucy J.

REGISTRATION NUMBER: 36,749

REFERENCE/DOCKET NUMBER: PF-0463 US

TELECOMMUNICATION INFORMATION:

TELEPHONE: 650-855-0555

TELEFAX: 650-845-4166

TELEX: <Unknown>

INFORMATION FOR SEQ ID NO: 3:

SEQUENCE CHARACTERISTICS:

LENGTH: 344 amino acids

TYPE: amino acid

STRANDEDNESS: single

TOPOLOGY: linear

IMMEDIATE SOURCE:

LIBRARY: GenBank

CLONE: 75185

SEQUENCE DESCRIPTION: SEQ ID NO: 3:

US-10-306-133-3

```

Query Match
Best Local Similarity 6.7%; Score 139.5; DB 14; Length 344;
Matches 66; Conservative 40; Mismatches 110; Indels 49; Gaps 13;

Qy      3 RLLTVPAVAGSGSGNEVI--EGPQNAATVLKGSQARPCNYSGC---WKLIMWLSDMVTVLSVRPMP 65
Db      20 RLLTVPAVAGSVRSGDGTFFPKAMDNVTVRQESATLRCTIDNVTVMANRSTIIYAGN 79
Qy      60 ---VRPEPIITTDRTFSQRYDQGNFTSEMIINHVPEPSDSGNIRCSIQ-----NSRL 109
Db      80 DKWCLDPRVVLN---TQTY-----SIEIQNDVYDEGPYTCVSQYTDNHPKPTSHV 128
Qy      110 HGSAYLVQVWGELEFIPSVMLVVAENEPCEVTCLEPSHWTLPDISWEILGLVSHSSYYFV 169
Db      129 H---LTVQVSPKIVEISSIDINEGNNISLTICATGRB--PVTYR---HISPAVGFV 180
Qy      170 PEPDLOSAVSIALTPQSNGLTLCVAATWKSILKARSAVNLTVIRCP-----PDGCGGI 224
Db      181 SEDETLE---IGITRBOGGEYECAS--NDVAAVPVRRVNTVYVPYISPAKGTGVYV 235
Qy      225 NIPGVL---SSLPSLGFSLPTWGX 245
Db      236 GOKGTLOCEASAVSAFAFQ---WFK 257

```

RESULT 7

```
US-10-184-644-559
; Sequence 559, Application US/10184644
; Publication No. US2003004930A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430R1C227
; CURRENT FILING DATE: 2002-06-28
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 559
; LENGTH: 2473
; TYPE: DNA
; ORGANISM: Homo Sapien
US-10-184-644-559

Query Match
Best Local Similarity 29.5%; Score 138.5; DB 14; Length 2473;
Matches 31; Conservative 3; Mismatches 36; Indels 35; Gaps 2;

QY 183 ALTPQSNGLTVCATWTKSLKARKSATVNLTVIRCPDPTGGGINIPGVLSLPSLGRSLPT 242
DB 2274 AATGAGATTCAATTAATTAATTAATGTTTC----- 2307
QY 243 WCKVGLAGTMLTPCTLTIRCCGCR-RRCCGNCRCRCFC 286
DB 2308 -----ATTCTCATGCCCAACCCACCCGCCGCCACCAACC 2344

RESULT 8
US-10-184-634-559
; Sequence 559, Application US/10184634
; Publication No. US2003006868A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430R1C217
; CURRENT FILING DATE: 2002-06-28
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 559
; LENGTH: 2473
; TYPE: DNA
; ORGANISM: Homo Sapien
US-10-184-634-559

Query Match
Best Local Similarity 29.5%; Score 138.5; DB 14; Length 2473;
Matches 31; Conservative 3; Mismatches 36; Indels 35; Gaps 2;
```

```
QY 183 ALTPQSNGLTVCATWTKSLKARKSATVNLTVIRCPDPTGGGINIPGVLSLPSLGRSLPT 242
DB 2274 AATGAGATTCAATTAATTAATTAATGTTTC----- 2307
QY 243 WCKVGLAGTMLTPCTLTIRCCGCR-RRCCGNCRCRCFC 286
DB 2308 -----ATTCTCATGCCCAACCCACCCGCCGCCACCAACC 2344

RESULT 9
US-10-180-410-26
; Sequence 26, Application US/10180410
; Publication No. US20030148382A1
; GENERAL INFORMATION:
; APPLICANT: SUN, CHAO
; APPLICANT: CARULLI, JOHN P.
; APPLICANT: LUKASHIN, ALEXANDER V.
; APPLICANT: KILBURN, DANIEL R.
; TITLE OF INVENTION: PANGAM NUCLEIC ACIDS AND POLYPEPTIDES
; FILE REFERENCE: A097 CIP
; CURRENT FILING DATE: 2002-06-24
; PRIOR APPLICATION NUMBER: PCT/US01/19904
; PRIOR FILING DATE: 2001-06-22
; PRIOR APPLICATION NUMBER: 60/213,611
; PRIOR FILING DATE: 2000-06-22
; NUMBER OF SEQ ID NOS: 33
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 26
; LENGTH: 633
; TYPE: PRP
; ORGANISM: Homo sapiens
US-10-180-410-26

Query Match
Best Local Similarity 24.1%; Score 138; DB 14; Length 633;
Matches 54; Conservative 40; Mismatches 100; Indels 30; Gaps 10;

QY 14 SSGSNEVIEBGPONATVLKSGQARFNCTVSGWKLIMALSDMNVLSVRPMEDITINDRPT 73
DB 20 AGSPHFILQPPEDLVLLGEEARLPCALGAYVGLVQWTKSGIALGGOR-----DLRG 71
QY 74 SORYOQGNFTS---EMITHNVEPSDSGIRSLQNSRLHG-SALVTV-----QVME 122
DB 72 WSRWYISGNAANGODHLIRPVELDEASVEQATQAGLRSPADLHLVPEADQVLGG 131
QY 123 LFIPTSVNLVAENEBCEVTCLEPSHWTR-LPDISW-ELGLVSHSSY--FVPE--PSDQ 176
DB 132 ---PSVSLVA--GVPAWLTCRSGDARPPPELLMFRDGVLLGAGTFHQTLLREGTPGSVE 186
QY 177 SAVSIALTPQSNGLTVCATWTKSLKARKSATVNLTVIRCPDPT 220
DB 187 STLTLTPFSDHGDATLVCCARQALPTGRDTRITLSLQYPEVT 230

RESULT 10
US-10-015-115-87
; Sequence 87, Application US/10015115
; Publication No. US20030207800A1
; GENERAL INFORMATION:
; APPLICANT: Malankar, Uriel M
; APPLICANT: Shenoy, Suresh G
; APPLICANT: Spytek, Kimberly A
; APPLICANT: Zehnusen, Bryan D
; APPLICANT: Patcurajan, Meera
; APPLICANT: Guo, Xiaojia
; APPLICANT: Kekuda, Ramesha
; APPLICANT: Gangolli, Esna A
; APPLICANT: Shimkets, Richard A
; APPLICANT: Taupier, Raymond J
; APPLICANT: Li, Li
; APPLICANT: Padigar, Muralidhara
```

```
; TITLE OF INVENTION: Proteins, Polynucleotides Encoding Them and Methods of
; FILE REFERENCE: 21402-211
; CURRENT APPLICATION NUMBER: US/10/015,115
; PRIOR FILING DATE: 2002-09-23
; PRIOR APPLICATION NUMBER: 60/248,153
; PRIOR FILING DATE: 2000-11-13
; PRIOR APPLICATION NUMBER: 60/249,598
; PRIOR FILING DATE: 2000-11-17
; PRIOR APPLICATION NUMBER: 60/264,240
; PRIOR FILING DATE: 2001-01-26
; PRIOR APPLICATION NUMBER: 60/266,127
; PRIOR FILING DATE: 2001-02-02
; PRIOR APPLICATION NUMBER: 60/269,562
; PRIOR FILING DATE: 2001-02-16
; PRIOR APPLICATION NUMBER: 60/304,348
; PRIOR FILING DATE: 2001-07-10
; PRIOR APPLICATION NUMBER: 60/309,261
; PRIOR FILING DATE: 2001-07-31
; PRIOR APPLICATION NUMBER: 60/313,283
; PRIOR FILING DATE: 2001-08-17
; NUMBER OF SEQ ID NOS: 205
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 87
; LENGTH: 344
; TYPE: PRT
; ORGANISM: Gallus gallus
US-10-015-115-87

Query Match          6.6%; Score 137.5; DB 15; Length 344;
Best Local Similarity 26.0%; Pred. No. 0.0069;
Matches 70; Conservative 38; Mismatches 104; Indels 57; Gaps 14;

QY 3 RHLTVBEAVSGSGNEVI-EGPQNAVTKSGQARFNCYVSQ-----GW---KLIMWALS 53
DB 20 RLFLVYAGVPSVSGDPTFKANDMTVYRGESATRCSDVNRKVRVVAALNRSSTLYAGN 79
QY 54 DMVYLSVRPMEPIITNDRTSQRYDDGNGFTSEMIIHNVPEPSDSGNIRCSLQ-----NS 107
DB 80 DKMCLDPRVLLANTKYQYSIQ-----IHDVDVYDEGPTYCSVQTDNHPKTS 126
QY 108 RLHGSAVLTVOVNGELFIPSVNLVAENEPCEVTCLPSHWTRLPD--ISMELGLVSHS 165
DB 127 RVH-----LVQVSPKITEISDSISIEGAVSITCA--TSPPTITWR---HISPKA 176
QY 166 YVVPPEPSDQSAVSLATLPQSGNGLTVVATWKSILKARKSATVNLTV-----IRCPQDT 220
DB 177 VGFISDEYLE-----LYGITRQSGEYECSSAS-NDVAPVVOVRKVTNYPPIISDAKST 231
QY 221 GGGINIPGVL-----SSLPSLGFSLPTWCK 245
DB 232 GVPVGGKGLMCEASAVPSADPQ---WYK 257

RESULT 11
US-10-274-583-20
; Sequence 20, Application US/10274583
; Publication No. US20030138431A1
; GENERAL INFORMATION:
; APPLICANT: Exelixis, Inc.
; TITLE OF INVENTION: LRCAPS AS MODIFIERS OF THE p53 PATHWAY AND METHODS OF USE
; FILE REFERENCE: EX02-119C
; CURRENT APPLICATION NUMBER: US/10/274,583
; PRIOR FILING DATE: 2002-10-21
; PRIOR APPLICATION NUMBER: 60/338,733
; PRIOR FILING DATE: 2001-10-22
; PRIOR APPLICATION NUMBER: 60/357,600
; PRIOR FILING DATE: 2002-02-15
; PRIOR APPLICATION NUMBER: 60/361,196
; PRIOR FILING DATE: 2002-03-01
; NUMBER OF SEQ ID NOS: 24
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 20
```

```
; LENGTH: 1477
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-274-583-20

Query Match          6.5%; Score 135; DB 14; Length 1477;
Best Local Similarity 25.0%; Pred. No. 0.074;
Matches 73; Conservative 36; Mismatches 127; Indels 56; Gaps 15;

QY 13 GSGSGNEVIEGPQNAVTKSGQARFNCYVS-OGKWLIMWALSDMVLSVRPMEPIITNDR 71
DB 337 GSPAPPTVIOPOHNEVLVGSVTLSCATGHPPRISMTRGDRTPPLPVPBRVNTFS-- 394
QY 72 FTSQRVDDGNGFTSEMIIHNVPEPSDSGNIRCSLONS--RLHGSAVLTVOVNGELFIPSVN 129
DB 395 -----GG-----LYQNVVQDSSEYVACSATNNIDSHAAFAFIIVQALPQFTVPPQD 441
QY 130 LVVAENEPCEVTCLPSHWTRLPDISW-ELGLVSHSSYFVPEPSDQSAVSLATLPQS 188
DB 442 RVVIEGQTVDPQC-EAKGNPPEVIAWTKGSGQLSVDRRHVLVSSGTLR--ISGVALLHDQ- 497
QY 189 NGTLTCAVATWKSILKARKSATVNLTV-----IRCPQDT-----GGGINIPVLSLPSL 236
DB 498 -GQYECQAV--NIIGSKVVAHLTVOPRYTPVPASIPSDITVEVGVANVQLP-----CSSQ 549
QY 237 GFSLP--TWKRVGLGL--AGTMLLTPTCTLTI-----RCCCRRCG 275
DB 550 GRPEPALTWKMDGVQVYESGKPHISBPGFLITINDVDPADAGRYECVARNYTG 601

RESULT 12
US-10-231-956A-325
; Sequence 325, Application US/10231956A
; Publication No. US20040053233A1
; GENERAL INFORMATION:
; APPLICANT: Xu, Weiduan
; APPLICANT: Bogenberger, Jakob
; APPLICANT: Holland, Sacha
; APPLICANT: Rigel Pharmaceuticals, Incorporated
; TITLE OF INVENTION: Modulators of Angiogenesis
; FILE REFERENCE: 021044-004100US
; CURRENT APPLICATION NUMBER: US/10/231,956A
; CURRENT FILING DATE: 2001-08-30
; NUMBER OF SEQ ID NOS: 322
; SOFTWARE: PatSeq for Windows Version 3.0
; SEQ ID NO 325
; LENGTH: 1479
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-231-956A-325

Query Match          6.5%; Score 135; DB 15; Length 1479;
Best Local Similarity 25.0%; Pred. No. 0.074;
Matches 73; Conservative 36; Mismatches 127; Indels 56; Gaps 15;

QY 13 GSGSGNEVIEGPQNAVTKSGQARFNCYVS-OGKWLIMWALSDMVLSVRPMEPIITNDR 71
DB 337 GSPAPPTVIOPOHNEVLVGSVTLSCATGHPPRISMTRGDRTPPLPVPBRVNTFS-- 394
QY 72 FTSQRVDDGNGFTSEMIIHNVPEPSDSGNIRCSLONS--RLHGSAVLTVOVNGELFIPSVN 129
DB 395 -----GG-----LYQNVVQDSSEYVACSATNNIDSHAAFAFIIVQALPQFTVPPQD 441
QY 130 LVVAENEPCEVTCLPSHWTRLPDISW-ELGLVSHSSYFVPEPSDQSAVSLATLPQS 188
DB 442 RVVIEGQTVDPQC-EAKGNPPEVIAWTKGSGQLSVDRRHVLVSSGTLR--ISGVALLHDQ- 497
QY 189 NGTLTCAVATWKSILKARKSATVNLTV-----IRCPQDT-----GGGINIPVLSLPSL 236
DB 498 -GQYECQAV--NIIGSKVVAHLTVOPRYTPVPASIPSDITVEVGVANVQLP-----CSSQ 549
QY 237 GFSLP--TWKRVGLGL--AGTMLLTPTCTLTI-----RCCCRRCG 275
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Db 550 GEPEPATWNNKQGVQVTESGKPHISPEGFLTTINDVGPADAGRECVARNITIG 601

RESULT 13

US-10-021-660-125
 ; Sequence 125, Application US/10021660
 ; Publication No. US20030152926A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Murray, Richard
 ; APPLICANT: Glynn, Richard
 ; APPLICANT: Watson, Susan R.
 ; APPLICANT: EOS Biotechnology, Inc.
 ; TITLE OF INVENTION: No. US20030152926A1 Methods of Diagnosis of Angiogenesis,
 ; TITLE OF INVENTION: Compositions and Methods of Screening for Angiogenesis
 ; FILE REFERENCE: 018501-000710US
 ; CURRENT APPLICATION NUMBER: US/10/021,660
 ; CURRENT FILING DATE: 2001-12-06
 ; PRIOR APPLICATION NUMBER: US/09/784,356
 ; PRIOR FILING DATE: 2001-02-14
 ; PRIOR APPLICATION NUMBER: US 09/637,977
 ; PRIOR FILING DATE: 2000-08-11
 ; NUMBER OF SEQ ID NOS: 135
 ; SOFTWARE: FASTSEQ for Windows Version 3.0
 ; SEQ ID NO 125
 ; LENGTH: 1496
 ; TYPE: PR
 ; ORGANISM: Homo sapiens
 ; US-10-021-660-125

Query Match 6.5%; Score 135, DB 14, Length 1496;
 Best Local Similarity 25.0%; Pred. No. 0.075;
 Matches 73; Conservative 36; Mismatches 127; Indels 56; Gaps 15;

QY 13 GSGSGNEVEEGPQNAATVLKGSQARFNCTVS--QGMKLIMALSDMYVLSRPMPIITNTR 71
 Db 354 GSPAPRTFPIQONTNEVLGSESVTLCSATGHPPPRISWTRGDRPLPDPFVNITPS-- 411
 QY 72 FTSQRDQSGNFTSEMIHNVEPSDSGNTRCSLONS--RLHGSAYLTVQVMGELFIPSVN 129
 Db 412 -----GG-----LYIQNVQGSGBEYACSAATNNIDSVHATAFIYQALPQFTYTPD 458
 QY 130 LVAENEPCEVTCPLPSHWRLPDISW-ELGLLVSHSSYFVPEPSDLOSASVILATPQS 188
 Db 459 RVVIEGQTVDFQC-EAKGNPPVIAWTKGSQLSVDRRLVLSGTLR--ISGVALHDQ- 514
 QY 189 NGTLTCVATWKSLLKARKSATVNLTV-----ICRPODT---GGGINIPGVLSLPSL 236
 Db 515 -QOYECQAV--NIGSQKVVAHLTVQPRTPVPFASIPSDTTVEVGANVQLP-----CSSQ 566
 QY 237 GFSLP--TWGKVGLG--AGTMLLPPTCTULTI-----RCCCRRCRCG 275
 Db 567 GEPEPATWNNKQGVQVTESGKPHISPEGFLTTINDVGPADAGRECVARNITIG 618

RESULT 14

US-10-331-496A-28
 ; Sequence 28, Application US/10331496A
 ; Publication No. US20030228305A1
 ; GENERAL INFORMATION:
 ; APPLICANT: PRANTZ, GRETCHEN
 ; APPLICANT: HILLAN, KENNETH J.
 ; APPLICANT: PHILLIPS, HEIDI S.
 ; APPLICANT: POLAKIS, PAUL
 ; APPLICANT: SMITH, VICTORIA
 ; APPLICANT: SPENCER, SUSAN D.
 ; APPLICANT: WILLIAMS, P. MICKEY
 ; APPLICANT: WU, THOMAS D.
 ; APPLICANT: ZHANG, ZEMIN
 ; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE DIAGNOSIS AND
 ; TITLE OF INVENTION: TREATMENT OF TUMOR
 ; FILE REFERENCE: P5014R1-PCF

; CURRENT APPLICATION NUMBER: US/10/331,496A
 ; CURRENT FILING DATE: 2002-12-30
 ; PRIOR APPLICATION NUMBER: US 60/345,444
 ; PRIOR FILING DATE: 2002-01-02
 ; PRIOR APPLICATION NUMBER: US 60/351,885
 ; PRIOR FILING DATE: 2002-01-25
 ; PRIOR APPLICATION NUMBER: US 60/360,066
 ; PRIOR FILING DATE: 2002-02-25
 ; PRIOR APPLICATION NUMBER: US 60/362,004
 ; PRIOR FILING DATE: 2002-03-05
 ; PRIOR APPLICATION NUMBER: US 60/366,869
 ; PRIOR FILING DATE: 2002-03-20
 ; PRIOR APPLICATION NUMBER: US 60/366,284
 ; PRIOR FILING DATE: 2002-03-21
 ; PRIOR APPLICATION NUMBER: US 60/368,679
 ; PRIOR FILING DATE: 2002-03-28
 ; PRIOR APPLICATION NUMBER: US 60/404,809
 ; PRIOR FILING DATE: 2002-08-19
 ; PRIOR APPLICATION NUMBER: US 60/405,645
 ; PRIOR FILING DATE: 2002-08-21
 ; NUMBER OF SEQ ID NOS: 95
 ; SEQ ID NO 28
 ; LENGTH: 1496
 ; TYPE: PR
 ; ORGANISM: Homo sapien
 ; US-10-331-496A-28

Query Match 6.5%; Score 135, DB 15, Length 1496;
 Best Local Similarity 25.0%; Pred. No. 0.075;
 Matches 73; Conservative 36; Mismatches 127; Indels 56; Gaps 15;

QY 13 GSGSGNEVEEGPQNAATVLKGSQARFNCTVS--QGMKLIMALSDMYVLSRPMPIITNTR 71
 Db 354 GSPAPRTFPIQONTNEVLGSESVTLCSATGHPPPRISWTRGDRPLPDPFVNITPS-- 411
 QY 72 FTSQRDQSGNFTSEMIHNVEPSDSGNTRCSLONS--RLHGSAYLTVQVMGELFIPSVN 129
 Db 412 -----GG-----LYIQNVQGSGBEYACSAATNNIDSVHATAFIYQALPQFTYTPD 458
 QY 130 LVAENEPCEVTCPLPSHWRLPDISW-ELGLLVSHSSYFVPEPSDLOSASVILATPQS 188
 Db 459 RVVIEGQTVDFQC-EAKGNPPVIAWTKGSQLSVDRRLVLSGTLR--ISGVALHDQ- 514
 QY 189 NGTLTCVATWKSLLKARKSATVNLTV-----ICRPODT---GGGINIPGVLSLPSL 236
 Db 515 -QOYECQAV--NIGSQKVVAHLTVQPRTPVPFASIPSDTTVEVGANVQLP-----CSSQ 566
 QY 237 GFSLP--TWGKVGLG--AGTMLLPPTCTULTI-----RCCCRRCRCG 275
 Db 567 GEPEPATWNNKQGVQVTESGKPHISPEGFLTTINDVGPADAGRECVARNITIG 618

RESULT 15

US-10-211-462-87
 ; Sequence 87, Application US/10211462
 ; Publication No. US20040033495A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Murray, Richard
 ; APPLICANT: Glynn, Richard
 ; APPLICANT: Watson, Susan R.
 ; APPLICANT: Aziz, Natascha
 ; APPLICANT: EOS Biotechnology, Inc.
 ; TITLE OF INVENTION: Methods of Diagnosis of Angiogenesis, Compositions and
 ; TITLE OF INVENTION: Methods of Screening for Angiogenesis Modulators
 ; FILE REFERENCE: 018501-006200US
 ; CURRENT APPLICATION NUMBER: US/10/211,462
 ; CURRENT FILING DATE: 2003-02-13
 ; PRIOR APPLICATION NUMBER: US 09/784,356
 ; PRIOR FILING DATE: 2001-02-14
 ; PRIOR APPLICATION NUMBER: US 09/791,390
 ; PRIOR FILING DATE: 2001-02-22
 ; PRIOR APPLICATION NUMBER: US 60/310,025
 ; PRIOR FILING DATE: 2001-08-03

; PRIOR APPLICATION NUMBER: US 60/334,244
 ; PRIOR FILING DATE: 2001-11-29
 ; NUMBER OF SEQ ID NOS: 230
 ; SOFTWARE: PatentIn Ver. 2.1
 ; SEQ ID NO 87
 ; LENGTH: 1496
 ; TYPE: PRF
 ; ORGANISM: Homo sapiens
 US-10-211-462-87

Query Match 6.5%; Score 135; DB 15; Length 1496;
 Best Local Similarity 25.0%; Pred. No. 0.075;
 Matches 73; Conservative 36; Mismatches 127; Indels 56; Gaps 15;

Qy	13	GGSGNEVIEGPNATVTKSQARFNCVS-QGKLIIMALSDMVLSVRPMEPIITNDR	71
Db	354	GSPARFTVIOPTNTEVLVGSVTLCSATGHPPRISWTGRDRTPLPVDPRVNIIPS	411
Qy	72	FTSQRYDQGNFTSEMIHNVEPSDSGNIRCLONS--RLHGSAYLTVOVMGELFISVN	129
Db	412	-----GG-----LYIQNVVQDSDGEVACSAATNIDSVAHATAFIIVQALPQFTVTPQD	458
Qy	130	LVAENEPCEVTCLEPSHMTLPLDISW-ELGLVSHSSYFVPEPSDLQSAVSIILALTPQS	188
Db	459	RVIIEGQIVDFQC-EAKGNPPVIAWTKGGSQLSVDRRHLYLSSGTLR--ISGVALHDQ	514
Qy	189	NGTLTCVATWKSLLKARKSATVNLTV-----IRCPQDT---GGGINIPGVLSLPSL	236
Db	515	-GQYECQAV--NIIGSQKVAHLTVQPRVTFVFASIPSDITTVVGVANVQLP-----CSSQ	566
Qy	237	GFSLP--TWKVGILG--AGTMLITPTCTILTI-----RCCCCRRC	275
Db	567	GEPEPAITMKNKDGQVETSGKFHISPEGFLTINDVGPADAGRYECVARNVIG	618

Search completed: February 22, 2005, 19:55:34
 Job time : 75.253 secs